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RENEWABLES PORTFOLIO STANDARD PROCUREMENT VERIFICATION REPORT

COMMISSION REPORT

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Southern California Edison
State of Alaska Department of Transportation and Public Utilities
The Utility Reform Network
Tollhouse Energy Corporation
Union of Concerned Scientists

TABLE OF CONTENTS

SECTION 1: INTRODUCTION

The California Renewables Portfolio Standard (RPS) was established by Senate Bill 1078 (Sher, Chapter 516, Statutes of 2002) and calls for the state's investor-owned utilities (IOUs), electric service providers (ESPs), and community choice aggregators (CCAs) to meet 20 percent of their electricity with eligible sources of renewable energy by 2017. California's energy agencies have, however, committed to achieving the 20 percent target by 2010. [1] In creating the RPS, the Legislature underscored the importance of increasing the diversity, reliability, public health, and environmental benefits of the energy mix. To reach this target, each obligated load-serving entity must increase the percentage of its load served by renewable energy by at least 1 percent annually, with certain cost constraints.

The Energy Commission intends to annually report and transmit its findings on the amount of renewable energy procured each year to the California Public Utilities Commission (CPUC) in its *RPS Procurement Verification Report (Verification Report).* Further, the Energy Commission intends to apply the statutory requirements and the CPUC's rules to identify how much of the procurement qualifies toward each entity's baseline, incremental procurement target, and annual procurement target. This first *Verification Report* covers the 2004 calendar year and includes data from 2001 through 2004, where applicable. While this report estimates the progress of retail sellers towards meeting RPS targets, the CPUC determines actual compliance of California's IOUs, ESPs, and CCAs with the RPS.

There are limitations to this interim RPS procurement verification analysis that should be noted. The robustness of the current verification system is limited by the quantity of renewable procurement that the RPS-procurement is checked against, and by the quality of the data. This report addresses IOU RPS procurement only.

The Energy Commission adopted the *Verification Report* at its regularly scheduled Business Meeting on February 1, 2006.

Report Organization

This report is organized into five sections. Section 1 is the introduction, followed by Section 2, which describes the Interim Tracking System methodology. Section 3 discusses the methodology and results for incremental geothermal facilities. Section 4 provides the procurement verification findings across IOUs and fuel types. Lastly, Section 5 discusses the limitations of the current tracking system.

[1] Public Utilities Code Section 399.15(b) establishes a 20 percent target by 2017, but this target has been accelerated to 2010 by the *Energy Action Plan* and the *2005 Integrated Energy Policy Report*.

Purpose and Scope of the Report

This *RPS Procurement Verification Report* transmits the Energy Commission's RPS procurement verification findings to the CPUC. The purpose of the report is to:

- Verify RPS-eligibility of the renewable energy facilities from which each IOU procured energy.
- Verify, to the extent possible, the amount of energy procured by each IOU from each RPS-eligible facility.
- Verify, to the extent possible, that RPS procurement exclusively serves California's RPS and does not support another renewable energy market claim.
- Verify that renewable facilities located out-of-state satisfy the Energy Commission's RPS energy delivery requirements.
- Apply statutory requirements to identify baseline procurement and apply the CPUC's rules, to the extent possible, to identify baseline, incremental procurement, and annual procurement.
- Quantify the amount of incremental geothermal energy.
- Compare the CPUC's annual procurement targets for each IOU with the Energy Commission's findings for how much procurement qualifies toward the targets.

SB 1078 requires the Energy Commission to design and implement a tracking system to verify compliance with the RPS program and ensure that renewable energy procured to meet California's RPS is counted only once and is not counted toward meeting other renewable energy retail claims.[2] Although the statute provides guidance on the purpose of the Energy Commission's accounting system, it is silent on how the Energy Commission should report the results of its accounting and verification to the CPUC. The Energy Commission intends to develop and issue an annual RPS Verification Report to meet the statutory requirements for RPS accounting and verification and transmit the report to the CPUC.

SB 1078 also requires the Energy Commission to certify renewable generating facilities as eligible for California's RPS and to implement RPS delivery requirements.[3] In 2004, the Energy Commission adopted eligibility criteria and a certification process in its *Renewables Portfolio Standard Eligibility Guidebook (RPS*

[2] Public Utilities Code Section 399.13(b) requires the Energy Commission to "design and implement an accounting system to verify compliance with the renewable portfolio standard by retail sellers, to ensure that renewable energy output is counted only once for the purpose of meeting the renewables portfolio standard of this state or any other state, and for verifying retail product claims in this state or any other state."

[3] Procurement from an in-state or out-of-state facility must be delivered to an in-state market hub or in-state substation location within the California Independent System Operator control area of the Western Electric Coordinating Council's transmission system.

Guidebook).[4] The eligibility criteria include qualifications by technology size, fuel type, and initial commercial operation date. The statutes also require the Energy Commission to certify geothermal capacity that qualifies as incremental geothermal.[5]

The CPUC also has important roles in monitoring and verifying RPS compliance. For example, the CPUC is responsible for:

- Establishing each IOU's initial baseline.[6]
- Implementing the annual procurement target for each IOU.[7]
- Approving or rejecting contracts executed to procure RPS-eligible electricity.
- Determining if an IOU is in compliance with the RPS consistent with the CPUC's flexible compliance rules.[8]
- Imposing penalties for non-compliance. The CPUC adopted penalties of 5 cents per kWh for non-compliance with the RPS, limited to $25 million annually per IOU.[9]

The CPUC is further refining its reporting requirements and compliance determinations. The results of these efforts are expected to be presented in CPUC decisions in 2006. CPUC decisions are based on detailed records in CPUC proceedings and may differ in some respects from the summary descriptions of CPUC activities described here.

Renewables Portfolio Standard Procurement Targets

The CPUC sets annual procurement targets (APTs) for the amount of RPS-eligible energy each IOU must procure. The APT reflects the statutory requirement that the IOUs must annually increase their renewable procurement by at least 1 percent of retail sales per year to serve 20 percent of its retail sales with RPS-eligible energy.[10]

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[4] California Energy Commission, *Renewables Portfolio Standard Eligibility Guidebook,*CEC-500-04-002F1. The Energy Commission originally adopted the *Guidebook* in April 2004 (updated August 2004) to establish the procedures for generating facilities to become certified as eligible for the RPS; IOUs may also certify generating facilities on the facility's behalf.

[5] Public Utilities Code Section 399.12(a)(2) states that "The Energy Commission shall determine historical production trends and establish criteria for measuring incremental geothermal production that recognizes the declining output of the steamfields and contribution of capital improvements in the facility or wellhead."

[6] Public Utilities Code Section 399.15(a)(3).

[7] Public Utilities Code Section 399.15(b) establishes a 20 percent target by 2017, but this target has been accelerated to 2010 by the *Energy Action Plan* and the *2005 Integrated Energy Policy Report*.

[8] Public Utilities Code Section 399.14(a)(2)(C).

[9] CPUC, Decision 03-06-071, Rulemaking 04-04-026, *Order Initiating Implementation of the Senate Bill 1078 Renewables Portfolio Standard Program*, June 19, 2003.

[10] Subject to CPUC rules for flexible compliance (Decision 03-06-071, Rulemaking 04-04-026, Order Initiating Implementation of the Senate Bill 1078 Renewables Portfolio Standard Program, June 19, 2003.).

The APT is mandatory and consists of two components: baseline and incremental procurement.

1. The baseline represents the amount of renewable generation a utility must retain in its portfolio to continue to satisfy its obligations under the RPS targets of previous years. The baseline is the retail sellers' RPS-eligible procurement in year 2001 and is adjusted to include renewable procurement in subsequent years.

2. The incremental procurement target (IPT) is defined as at least 1 percent of the previous year's total retail electrical sales, including power sold to a utility's customers from its Department of Water Resources contracts.[11]

The APT in a current year is the sum of the previous year's APT plus the current year's IPT. [12] Each IOU must meet its APT subject to flexible compliance provisions and the availability of supplemental energy payments (SEPs). SEPs are incentives from the Energy Commission awarded to certified RPS generators to cover eligible above-market costs, subject to caps that may be imposed by the Energy Commission.

SB 1078 defines RPS-eligible energy procured in 2001 as the original baseline year for the California RPS. In accounting for RPS-eligible procurement, it is necessary to categorize specific purchases as counting toward either the IPT or baseline. Applying CPUC rules, this accounting depends on both static and dynamic information.

- Static information: The characteristics of a renewable energy facility determine whether it may qualify for the IPT or is restricted to the baseline or adjusting the baseline.

- Dynamic information: The amount of time the retail seller has been procuring energy from a RPS-eligible facility can be the determining factor in accounting for procurement as baseline or IPT. RPS-eligible energy initially under contract with a retail seller in 2002 or later is eligible to count towards the IPT in the first year the utility procures energy from the facility (assuming it is not restricted to baseline by statute). This analysis assumes that in the second and subsequent years, however, procurement from that facility counts toward the retail seller's baseline. In the event that incremental procurement exceeds the IPT, this analysis assumes that the excess is accounted for as incremental procurement until such time as it is allocated to the IPT.

[11] CPUC, *Order Instituting Rulemaking to Implement the California Renewables Portfolio Standard Program*, Rulemaking 04-04-026, April 22, 2004.
[12] CPUC, Decision 04-06-014, Rulemaking 04-04-026, June 9, 2004.

The Energy Commission must consider both types of information in accounting for procurement towards the baseline or IPT. It is important to note that this report does not account for banked procurement as banking is under the CPUC's purview as part of evaluating compliance with the RPS targets. This report does, however, account for excess incremental procurement for San Diego Gas & Electric (SDG&E) to properly account for its procurement towards its 2004 incremental procurement.

RPS Verification Report Development Process

The Staff Draft *Verification Report* (Publication #CEC-300-2005-027-SD) was released on November 23, 2005. On December 7, 2005, the Renewables Committee held a workshop to discuss the Staff Draft *Verification Report* and proposed changes to the *Renewables Portfolio Standard Eligibility Guidebook,* the *New Renewable Facilities Program Guidebook,* and the *Overall Renewable Energy Program Guidebook*.[13] The Renewables Committee carefully considered oral and written comments received on the Staff Draft *Verification Report* and released a Committee Draft *Verification Report* (Publication #CEC-300-2006-002-CTD) on January 6, 2006. However, the Renewables Committee subsequently released an errata to the Committee Draft *Verification Report* on January 24, 2006. The errata included corrections to the accounting of procurement as either incremental or baseline, updated results to reflect supplemental information provided by SDG&E, and removes references to credit banking. The Energy Commission adopted the Committee Draft *Verification Report* with errata at its February 1, 2006 Business Meeting.

Clarifications made in the report

The Committee Draft clarified the following issues and these clarifications were adopted by the Energy Commission:

- The findings in this report rely on assumptions on how to treat outstanding issues regarding the allocation of annual procurement as baseline or incremental.

- The report does not propose changing California Public Utilities Commission's (CPUC's) banking or other flexible compliance rules. Banking is not included in this report.
- Consistent with CPUC rules, the baseline for the years following 2001 is equivalent to the deliveries required in the previous year's APT.

[13] The following 11 parties provided written comments on the Staff Draft of the *Verification Report:* Bottle Rock Power Corporation, California Wind Energy Association, Geysers Power Company, Pacific Gas and Electric Company, PacifiCorp Corporation, San Diego Gas & Electric, Southern California Edison, State of Alaska Department of Transportation and Public Utilities, The Utility Reform Network, Tollhouse Energy Corporation, and the Union of Concerned Scientists.

- The methodology that staff used in accounting for procurement that is eligible for the IPT for deliveries that begin midyear is revised. Staff had proposed that the first 12 months of procurement from a facility would count towards the IPT for the year the facility begins operation. The Energy Commission assumes that procurement in the calendar year when a facility starts operating counts towards the IPT for that year. Procurement in the second year of operation beyond the level in the initial year counts toward the IPT for that year
- The estimate of SDG&E's 2004 interim procurement. Because SDG&E's 2003 interim procurement exceeded its IPT, the excess from 2003 is allocated to 2004 incremental procurement is revised. The methodology assumes that if the first year of incremental procurement exceeds the IPT, the energy continues to be accounted for as incremental until it is allocated towards the IPT.
- The report includes a discussion of "Outlook for Future Reports" to Section 2 to describe the process and schedule for future verification reports.

Changes regarding the methodology for estimating procurement of "incremental geothermal"

The Committee Draft *Verification Report* incorporated the following changes to the methodology for estimating the procurement of "incremental geothermal" and which were adopted by the Energy Commission.

- Clarified that the term "incremental geothermal" used in the report is not interchangeable with "incremental procurement" established by the CPUC that qualifies towards the IOUs' IPTs, but rather refers to a technology type that meets specific criteria described in the RPS Eligibility Guidebook and SB 1078.
- Modified the methodology for estimating the amount of generation that qualifies as incremental geothermal in the event that part of the capacity of a facility is certified as incremental geothermal and the remainder is classified simply as geothermal. Staff originally proposed dividing the incremental geothermal capacity with nameplate capacity to calculate percent incremental geothermal capacity. This percentage was then applied to the total electricity generated from the facility to estimate the amount that qualified as incremental geothermal. The Committee Draft modified the methodology to derive the percent incremental geothermal capacity from the *operating capacity* instead of nameplate capacity to reflect the declining steam field production at the Geysers, and establishes a methodology for estimating the operating capacity of the Geysers facilities. The methodology is based on capacity data during "system peak" dates and hours specified by the Energy Commission. The data are filed by the Geysers Power Company to the Energy Commission in compliance with the *Power Plant Owner Report Forms* (Form 1304).

This methodology also accounts for the timing and length of procurement of incremental geothermal within a given year. For example, if procurement of incremental geothermal generation begins in May 2003, the estimated amount of incremental geothermal procured will take into account that incremental geothermal was procured eight of the twelve months of that year. The certified incremental geothermal capacity for 2003 will be used in this calculation. However, from January through April 2004, the capacity that was certified as incremental geothermal for 2003 and 2004 will be used in calculating incremental geothermal procurement. In this example, to estimate incremental geothermal procurement from May through December 2004, the increase in incremental geothermal capacity between 2003 and 2004 will be utilized.

Changes Reflecting New and Revised Procurement Data

The following changes reflect new and revised procurement data submitted by the IOUs which were incorporated in the Committee Draft and adopted by the Energy Commission:

- The results reflect supplemental data from Pacific Gas and Electric Company (PG&E) that was not specified in its CEC-RPS-Track filing. PG&E identified procurement that had been incorrectly counted towards its IPT for cases in which the facility was under contract in 2001 or earlier but was not delivering in 2001. This could not be discerned from the original data set. In another case, PG&E disaggregated data to show procurement that should be counted towards its IPT.
- The results reflect revised CEC-RPS-Track filings submitted by Southern California Electric Company (SCE). SCE revised its 2001 and 2003 CEC-RPS-Track filings to synchronize the data with its 2004 filing that was based on revenue quality meter reads. SCE also identified procurement from two small facilities that needed to be added to its IPT and identified procurement from two municipal solid waste facilities that needed to be struck from its baseline.
- The results reflect supplemental information provided by SDG&E that was not discernable from the CEC-RPS-Track filings. SDG&E identified procurement that was under contract with SDG&E in 2001 but had been incorrectly counted towards its IPT in the staff draft. This is corrected in the findings presented here.

Other Corrections and Edits

In addition to the aforementioned corrections and edits, the Committee Draft *Verification Report* and subsequently the Energy Commission *Verification Report* incorporated the following which were adopted by the Energy Commission:

- The percent renewables figures divided current year procurement by current year retail sales. For example, 2004 procurement is divided by 2004 retail sales rather than 2003 retail sales.
- The following assumption was struck from the staff report, “If a contract ended and the generator executed a contract with a different IOU, the second IOU could count procurement in the first 12 months towards its IPT, and the generation would no longer count towards the first IOU’s baseline, assuming there were no sales to the first IOU’s.” This assumption was unnecessary in the analysis and raises an accounting issue for the CPUC to address.
- Other conforming and clarifying changes were made to the Committee Draft and adopted by the Energy Commission.

SECTION 2: METHODOLOGY

The verification methodology used for this report is termed “interim” because the Energy Commission is developing a more robust electronic system to verify procurement towards the RPS in 2007 and thereafter. At that time, the Interim Tracking System applied to the analysis for this report will be replaced by a regional electronic tracking system, the Western Renewable Energy Generation Information System (WREGIS). Once it is operational, WREGIS will serve as the accounting and verification system for the California RPS and the Energy Commission will produce its *Verification Report* using data from the WREGIS system. The Energy Commission plans to use North American Electricity Reliability Council (NERC) tags in conjunction with the WREGIS to verify delivery of RPS energy from out of state into California.

Interim Tracking System

To track and verify the IOUs’ RPS procurement, the Energy Commission applied the approach used since 1998 to develop the *Reconciliation of Retailer Claims Report* for the Power Source Disclosure Program.[14] The *Reconciliation of Retailer Claims Report* is an annual report prepared by the Energy Commission to compare the source of power that retailers disclosed to their customers and the actual energy generated for consumption in California.

For this analysis, the first step was to check that all RPS procurement was generated by a certified RPS-eligible facility. Next, a comparison was made between the amount of RPS-eligible energy procured by IOUs and the total amount of energy generated to ensure that the procurement did not exceed the amount generated. For example, if two or more IOUs procured energy from the same facility, the cumulative amount of energy procured from that facility was compared with the total amount of energy generated by that facility. Sources of procurement and generation data are summarized below.

Next, the staff determined to the extent possible that RPS-eligible energy procured by the IOUs was counted only once in California or any other state. The process for verifying whether RPS-eligible energy procured from an out-of-state generator satisfied the Energy Commission’s delivery requirements is described in Section 4.

Sources of Procurement Data

The Energy Commission received data from California’s three largest IOUs on the amount of RPS-eligible energy procured in 2004. PG&E, SCE, and SDG&E filed

[14] SB 1305 (Sher, Chapter 796, Statutes of 1997) requires retail suppliers of electricity to disclose to consumers "accurate, reliable and simple to understand information on the sources of energy that are (being) used...." (Public Utilities Code Section 398.1(b)).

CEC-RPS-Track forms with the Energy Commission to report their 2003 and 2004 RPS procurement. Data on 2001 procurement was available from the IOUs' filing to the CPUC under Rulemaking 01-10-024, "Report to the California Public Utilities Commission: Utility Procurement of Renewable Energy – 2001 and 2002." The findings also reflect supplemental procurement data the IOUs provided in response to the Staff Draft of this report.

Appendix A of the Energy Commission Staff Report, *Implementing California's Loading Order for Electricity Resources* (Publication # CEC-400-2005-043).derives procurement and sales information for these IOUs from filings made to the CPUC. For example, the IOUs reported their 2001 renewable procurement and retail sales in the *Report to the California Public Utilities Commission: Utility Procurement of Renewable Energy-2001 and 2002*, which was filed with the CPUC under Rulemaking 01-10-024. For 2003 and 2004, renewable procurement and retail sales were reported in the IOU APT compliance reports filed with the CPUC in Rulemaking 04-04-026.

This *Verification Report*, however, evaluates procurement data reported by the IOUs in CEC-RPS-Track forms rather than the data in the IOUs' compliance filings submitted to the CPUC. The data in the RPS-Track forms provide disaggregated information on specific purchases, which is needed for the analysis in this report. This report does compare the data reported in the CEC-RPS-Track forms with aggregated data in the compliance filings submitted by PG&E, SCE, and SDG&E to the CPUC on March 1, 2005.

In their CEC-RPS-Track filings, the IOUs reported how much energy they procured in calendar year 2004, separated by RPS-certified facility and by month, as well as their retail sales. For the purposes of this *Verification Report*, a procurement "claim" or "specific purchase" refers to the amount of energy an IOU procured from a specific renewable facility. The information presented in each of the IOUs' CEC-RPS-Track forms and the available generation totals for each facility by data source is included in the appendix.

Sources of Generation Data

The Energy Commission staff collected generation data from various sources to verify that procurement was substantiated by generation data. Self-reported data were collected from the U.S. Energy Information Administration's (EIA) Web site, which provides monthly generation from facilities with a capacity greater than 1 megawatt (MW).[15]

The analysis for this report also uses self-reported data submitted to the Energy Commission from owners of electric power plants larger than 1 MW located in

[15] The 2004 generation data from the Energy Information Administration can be downloaded at [http://www.eia.doe.gov/cneaf/electricity/page/eia906_920.html.]

California. Data collected includes the plant's nameplate capacity, fuel type, generation, and fuel usage. Owners of plants with a nameplate capacity of 1 to 10 MW must report annually, while owners of generating facilities larger than 10 MW must report quarterly.

The staff also reviewed data collected from generating facilities registered and eligible for funding from the Energy Commission's Existing or New Renewable Facilities Programs as well as generation data from the Public Interest Energy Research Program's (PIER) *Wind Performance Report Summary*. Since 1985, operators of wind plants with a capacity greater than 100 kW that sell electricity to a power purchaser have submitted the annual generation output of their facilities to the Energy Commission. Wind generation data from 1985 through 2003 is available on the electronic Wind Performance Reporting System at http://wprs.ucdavis.edu/; however, 2004 wind generation data used for this report has not yet been posted on that Web site.

In most cases, facility data was compiled from more than one source, consistent with the approach used for the *Reconciliation of Retailer Claims Report*. If the various data sources show different generation amounts per facility, procurement is compared to the data source showing the most generation from that facility, consistent with *Reconciliation of Retailer Claims Report* methodology, since lower generation figures may not capture all of the generation from that facility. For example, facilities that participate in the Existing and New Renewable Facilities Program report to the Energy Commission only if they are eligible to receive incentive payments in a given month.

Verification that RPS Procurement is Counted Only Once

The Energy Commission also verified, to the extent possible, that RPS procurement was counted once and only once in California or any other state. The primary data source for this purpose was the data supporting the *Reconciliation of Retailer Claims Report.* If a retail seller claims specific purchases on its Power Content Label, those purchases are included in the *Reconciliation of Retailer Claims Report.* The seller is then required to submit an Annual Report to the Energy Commission listing the generating facilities from which it procured electric generation for the previous year.[16] Using this data, IOU procurement was cross-referenced with procurement from claims made by other retail sellers in California, including municipal utilities and ESPs.[17]

[16] Specific purchases for the purposes of the Power Source Disclosure Program refer to wholesale power purchases that the retailer can trace to specific generators and thereby claim that the electricity offered for sale to retail customers is a particular fuel type.

[17] This data was checked against Annual Reports filed by retail sellers of electricity under the Power Source Disclosure Program pursuant to SB 1305 (Sher, Chapter 796, Statutes of 1997).

The *Reconciliation of Retailer Claims Report* reviewed Annual Reports from 26 retail providers and two electricity wholesalers for 2004. Data from the Annual Reports included procurement from 739 facilities, including 449 that were certified as RPS-eligible or were "registered."[18] The analysis included Annual Reports submitted by PG&E and SCE. SDG&E, however, was not required to submit an Annual Report for 2004, but will need to do so for its 2005 retail sales and SDG&E plans to submit its Annual Report for 2005 activity in 2006.[19]

Additionally, the Energy Commission verified, to the extent possible, that the renewable facilities claimed by the California IOUs were not claimed by retail providers in other states. In administering the Power Source Disclosure Program, the Energy Commission collaborated with state agencies in Oregon and Washington to develop an energy information/tracking system funded by a U.S. Department of Energy grant. This system enables the participating states to determine if generation is claimed in more than one of the participating states. Using this system, representatives from the State of Washington reported that no retail providers in Washington or Oregon claimed renewable generation from California renewable facilities. Data were not available from other states.

Identifying Incremental Procurement and Baseline

In their reports to the Energy Commission, the IOUs were not asked to delineate procurement allocated towards baseline versus IPT. For verification efforts in future years, the Energy Commission anticipates revising the CEC-RPS-Track reporting forms such that the utilities will identify which specific purchases they intend to count towards baseline or IPT. With the revised forms, the Energy Commission would verify the IOUs' accounting but not attempt to reconstruct it.

In some cases, statutory requirements restrict generation from certain facilities as counting only towards the baseline or adjusting the baseline. For this report, procurement from facilities meeting the criteria shown below is allocated to the baseline.

- Geothermal facilities originally operating prior to September 26, 1996.

[18] Any facility that does not meet the RPS or SEP eligibility requirements may apply to the Energy Commission for "registration" as a Renewable Supplier if it generates electricity from one or more of the following sources consistent with definitions in the *Overall Program Guidebook*: biomass, biodiesel, fuel cells using renewable fuels, digester gas, geothermal, landfill gas, municipal solid waste, ocean wave, ocean thermal, tidal current, photovoltaic, small hydroelectric, solar thermal, or wind. The facility must also report the type and percent of fossil fuel used, if applicable.

[19] The following entities submitted 2004 Annual Reports to the Power Source Disclosure Program: 3Phases Energy Services; Commonwealth Energy Corporation; Green Mountain Energy; Anaheim Public Utility District; City of Alameda, Azusa, Biggs, Burbank, Healdsburg, Lodi, Lompoc, Needles, Redding, Riverside, Roseville, Ukiah; Los Angeles Department of Water and Power; Merced, Modesto, and Turlock Irrigation District, Palo Alto Electric Utility; Sacramento Municipal Utility District; Silicon Valley Power; PG&E; SCE; Surprise Valley Electrification Association; Bonneville Power Administration; and Northern California Power Authority.

- Hydroelectric facilities owned by an IOU as of September 12, 2002, or hydroelectric generation procured by an IOU as of September 12, 2002.
- Municipal solid waste combustion facilities located in Stanislaus County and operating prior to September 26, 1996.

To identify the remainder of the baseline, the Energy Commission staff reviewed the IOU filings reporting the amount of energy procured from each renewable facility in 2001. If an IOU procured electricity from a facility in 2001 or had a continuing contract with a facility through 2001, procurement from that facility in 2003 and 2004 was allocated to the IOU's baseline. An exception would be if a facility repowered on or after January 1, 2002. In that case, the facility could recertify with the Energy Commission and the energy procured could count towards the IOU's IPT. Also, if an IOU procured IPT-eligible energy in excess of its IPT in a given year, the amount procured over the IPT could be used to meet the IPT in subsequent years.

In calculating the percentage of retail sales served by RPS procurement, the total RPS procurement in a given year is divided into that year's retail sales.

All of the 230 RPS purchases claimed by PG&E were from RPS-certified facilities. Of the 185 renewable purchases claimed by SCE, 182 were from RPS certified facilities, and of the 20 RPS purchases claimed by SDG&E, 16 came from certified RPS facilities. The three facilities from which SCE procured renewable generation that have not been certified are the California Department of Water Resources/Metropolitan Water District small hydroelectric contract, the Edwin Curtis solar energy system, and the Raul Soza small wind energy system. The following facilities from which SDG&E procured renewable generation have not been certified for the RPS: the Cal West Industrial Park solar energy system, the Prima Deshecha biogas facility, the San Diego MWD (Point Loma) biogas facility, and the Oasis Power Partners wind facility. This analysis assumes that the aforementioned facilities are RPS-eligible; the findings for SCE and SDG&E include their procurement from these facilities.

Current CPUC rules provide limited guidance for the eligibility criteria for incremental procurement and so this analysis includes assumptions about how to allocate APT-eligible procurement as baseline or incremental. This analysis assumes that RPS-eligible energy initially under contract with a retail seller in 2002 or later is eligible to count towards the IPT in the first year the utility procures energy from the facility (assuming it is not restricted to baseline by statute). This analysis assumes that in the second and subsequent years, however, procurement from that facility counts toward the retail seller's baseline. In the event that incremental procurement exceeds the IPT, this analysis assumes that the excess is accounted for as incremental procurement until such time as it is allocated to the IPT.

For simplicity, this analysis did not track annual fluctuations in procurement from specific facilities. The total contracted amount was treated in aggregate as counting

towards the IOU's baseline or IPT. If, for example, a baseline facility did not operate for part of the year and its sales to the IOU dropped, that portion of the IOU's baseline would decrease. Conversely, this analysis assumes that if the facility sold more electricity to the IOU in the following year, the total amount the IOU procured from that facility would still be allocated to the IOU's baseline, unless the facility was repowered.

Current CPUC rules do not provide guidance on how to allocate the procurement to IPT if the first year of procurement straddles two calendar years (and is not subject to statutory limitations restricting it to the baseline). This analysis, therefore, includes the following assumptions:

- Procurement in the calendar year when procurement began was counted towards the IPT.
- A portion of the procurement in year two, the first full calendar year of procurement, was also assumed to count towards IPT. For year two, procurement allocated to the IPT is the difference between the amount procured in year two and in year one.

To illustrate, assume deliveries from a new facility begin in June and the IOU procures 425 MWh from June 2006 through the end of the year. In 2007, the IOU procures 800 MWh from the facility. In 2006, 425 MWh would count towards the IOUs IPT and in 2007, 375 MWh (800 – 425) would count towards IPT. This is a simplifying assumption that allows for a reasonable estimate of one year of operation from new or repowered facilities that may need to initially ramp up operations or resolve operational problems.

The CPUC resolution of outstanding RPS accounting issues, including but not limited to the assumptions noted above, may affect the methodology used to allocate procurement towards the IPT and baseline in future *Verification Reports*.

Long-Term Verification

To better meet its statutory requirements for RPS verification, the Energy Commission, together with the Western Governors' Association, is developing the WREGIS regional tracking system. WREGIS will electronically track renewable energy certificates representing renewable energy generation and will replace the Interim Tracking System described above and used for this report.

WREGIS will create an electronic certificate for each megawatt-hour (MWh) of renewable energy generated. The WREGIS Certificate will be tagged as California RPS-Eligible or California RPS-SEP-Eligible, as applicable. WREGIS will function like a banking system, with WREGIS Certificates deposited into a generator's "account." WREGIS Certificates can be transferred between parties but can reside

only in one party's account at a time, thereby protecting against double-counting of renewable energy generation.

Renewable generators and retail sellers from the Western U.S., Western Canada, and parts of Mexico may participate in WREGIS. As a regional system, WREGIS is designed to verify that any RPS-eligible generation is counted once and only once in California and throughout the geographic area covered by the Western Electricity Coordinating Council (WECC).[20]

The Energy Commission expects WREGIS to begin operation in early 2007. Once WREGIS is operational, the Energy Commission will require renewable suppliers and IOUs to participate in WREGIS as part of California RPS compliance. The Energy Commission envisions that retail sellers will provide reports generated via WREGIS to meet the reporting requirements currently satisfied with the CEC-RPS-Track forms. The WREGIS reports will replace the need for cross references with other databases to ensure that the RPS-eligible energy is counted only once. The Energy Commission will check WREGIS data with NERC tag data to verify delivery into California from out-of-state renewable generators.

Outlook for Future Reports

The Energy Commission intends to issue future RPS *Verification Reports* based on the following schedule.

The RPS Guidebook requires that retail sellers submit CEC-RPS-Track Filings by May 1 of each year. Subsequently, the staff will begin reconciling the reported renewable procurement by the retail sellers with the generation data from the Energy Commission's Existing and New Renewable Facilities Programs, the Energy Commission's PIER Program, and generation data reported to the Energy Information Administration.

In early August, the Energy Commission provides an annual assessment of how much electricity is produced by fuel type in California to the Department of Finance. This assessment is called the J-11 Table and is developed with generation data submitted to the Energy Commission by late July and supports the analysis used in the *Reconciliation of Retailer Claims Report* and the *Verification Report*.

[20] The WECC, one of four regional organizations that oversee the operation of the nation's bulk power grid and among the ten regional councils of the North American Electric Reliability Council (NERC), provides coordination in operating and planning the electricity system for the Western Interconnection. The Western Interconnection is the geographic area containing the synchronously operated electric transmission grid in the western part of North America, which includes parts of Montana, Nebraska, New Mexico, South Dakota, Texas, Wyoming, and Mexico and all of Arizona, California, Colorado, Idaho, Nevada, Oregon, Utah, Washington, and the Canadian Provinces of British Columbia and Alberta.

The legal deadline for submitting the *Reconciliation of Retailer Claims Report* to the CPUC is October 15th. Prior to its October adoption by the Energy Commission, the first draft of the *Reconciliation of Retailer Claims Report* is provided to retail sellers in September to give them an opportunity to verify or propose corrections to the findings. The Energy Commission intends to use a similar review process in developing the *Verification Report*. To allow for full consideration of the data and results from the adopted *Reconciliation of Retailer Claims Report*, the Energy Commission intends to consider the *Verification Report* for adoption near the close of the calendar year.

SECTION 3: INCREMENTAL GEOTHERMAL

Using criteria in the *RPS Eligibility Guidebook*, the Energy Commission's Renewable Energy Program certified incremental geothermal capacity for nine Calpine Geysers facilities. Please note that the term "incremental geothermal" used in this report is not interchangeable with "incremental procurement" which the CPUC established and which qualifies towards the IOUs' IPTs, but rather refers to a technology type that meets specific eligibility criteria described in the *RPS Eligibility Guidebook* and SB 1078. Because the Calpine Geysers facilities began commercial operations prior to September 26, 1996, generation from those facilities is only eligible to count toward the RPS baseline or adjustment to the baseline unless it is certified as incremental geothermal by the Energy Commission.[21] This section provides an estimate of the amount of energy produced and procured from capacity that is certified as incremental geothermal by the Energy Commission. The results are included in PG&E's and SCE's procurement verification findings presented in Section 4. For capacity at these facilities that is certified as incremental geothermal, the generation is not restricted to counting only towards an IOU's baseline and the procured energy is accounted for as incremental in Section 4. Energy procured from the Calpine Geysers facilities capacity that is not certified as incremental geothermal is allocated to baseline in Section 4.

The Energy Commission certified incremental geothermal capacity at the Calpine Geysers facilities as shown in Table 1 for years 2003 through 2006. In Table 1, the "Total Incremental Geothermal" is the amount of capacity per facility certified as incremental geothermal for that year, and the bottom row shows the amount that was disapproved for certification. The table also shows the increase (or decrease) in incremental geothermal capacity from 2003 to 2004, 2004 to 2005, and 2005 to 2006. For 2004, the Energy Commission approved a total of 113 MW of incremental geothermal capacity at the nine Calpine Geysers facilities. The Energy Commission denied 6 MW of the 119 MW for which Calpine applied for incremental geothermal certification.

For each of Calpine's nine facilities, part of the capacity is certified as incremental geothermal, and the remainder is considered geothermal restricted to baseline RPS energy. Allocating generation from one facility to two different eligibility categories adds a new challenge to the accounting system, and the methodology and results are discussed below. The amount of PG&E's and SCE's procurement from the Calpine Geysers that qualifies as incremental geothermal eligible for the IPT is estimated, but this report does not make a determination on compliance with the IPT.[22] Through 2004, SDG&E did not procure incremental geothermal generation.

[21] Pursuant to Public Utilities Code Section 399.12 (a)(2).

[22] On August 26, 2005, SCE filed an application for rehearing and a petition for modification of CPUC Decision 05-07-039 (Rulemaking 04-04-026) with regards to SCE's ability to count procurement from the Calpine Geysers toward its incremental procurement target.

Table 1: Capacity Certified as Incremental Geothermal for 2003 through 2006

	Quantity Certified as Incremental Geothermal Each Year[1]				Changes in the Quantity Certified as Incremental Geothermal[2]		
Calpine Geyser Unit	2003 Total Incremental Geothermal (MW)	2004 Total Incremental Geothermal (MW)	2005 Total Incremental Geothermal (MW)	2006 Total Incremental Geothermal (MW)	Increase from 2003 to 2004 (MW)	Increase from 2004 to 2005 (MW)	Increase from 2005 to 2006 (MW)
Unit 3/ Sonoma	1.3	7.6	13.1	18.7	6.3	5.5	5.6
Unit 5/6	1.4	6.5	7.0	9.0	5.1	0.5	2.0
Unit 7/8	8.6	15.6	25.0	36.2	7.0	9.4	11.2
Unit 12	3.6	8.6	16.8	25.9	5.0	8.2	9.1
Unit 13	9.0	11.0	12.0	13.0	2.0	1.0	1.0
Unit 16	7.0	7.0	7.0	7.0	0.0	0.0	0.0
Unit 17	19.7	21.7	24.5	27.4	2.0	2.8	2.9
Unit 18	14.0	14.0	13.0	14.0	0.0	-1.0	1.0
Unit 20	17.0	21.0	27.0	31.0	4.0	6.0	4.0
Total Approved	**81.6**	**113.0**	**145.4**	**182.2**	**31.4**	**32.4**	**36.8**
Not approved	**6.0**	**6.0**	**6.0**	**4.0**	**--**	**--**	**--**

[1] For example, for Unit 5/6 the Energy Commission certified 1.4 MW as incremental geothermal for 2003 and 6.5 MW for 2004 (the 6.5 MW includes the 1.4 MW certified for 2003)

[2] These columns show the difference between the quantity certified from one year to the next and is calculated from the first set of columns. To continue the example for Unit 5/6, for 2004 an additional 5.1 MW of incremental geothermal capacity was added to the amount certified for 2003.

Methodology

The quantity of incremental geothermal electricity produced was estimated by applying the percentage of incremental capacity to the energy production. The percentage is derived by dividing the incremental geothermal capacity by the estimated operating capacity of the facility. The rationale for using operating capacity rather than the nameplate capacity is that the Geysers steam field has declined over time such that the installed nameplate capacity does not reflect current actual operating capacity.

The operating capacity was estimated using data that the Geysers Power Company submitted to the Energy Commission in compliance with the *Power Plant Owner Report Forms* (Form 1304). In Form-1304, the Geysers Power Company reported the capacity available from each of its power plants during “system peak” dates and hours specified by the Energy Commission. For this analysis, the capacity-per-facility per month reported in Form-1304 was reviewed and the highest value was used as a proxy for the operating capacity. Table 2 shows the data reported in 2003 and the high values that serve as a proxy for the operating capacity are highlighted. The same approach was used for 2004 data and the resulting estimated operating capacities for 2003 and 2004 are shown in Table 3.

Table 2: Available System Peak Capacity per month, per Geyser Unit in 2003[1, 2]

	Sonoma	Unit[3] 5	Unit[3] 6	Unit[3] 7	Unit[3] 8	Unit 12	Unit 13	Unit 16	Unit 17	Unit 18	Unit 20
January	42.02	39.98	39.98	31.99	0.00	48.98	**70.97**	62.01	51.98	**62.01**	**47.00**
February	42.02	39.98	39.98	33.01	0.00	48.98	70.97	62.01	51.98	62.01	47.00
March	42.02	39.98	39.98	33.01	0.00	48.98	70.97	62.01	51.98	62.01	47.00
April	36.00	**43.00**	43.00	**41.00**	0.00	**49.00**	69.00	**64.00**	52.00	54.00	42.00
May	**43.00**	42.00	42.00	41.00	0.00	47.00	69.00	63.00	52.00	54.00	42.00
June	34.00	39.00	40.00	30.00	30.00	47.00	68.00	63.00	52.00	54.00	42.00
July	32.00	39.00	39.00	32.00	31.00	47.00	70.00	63.00	52.00	55.00	42.00
August	31.00	39.00	39.00	**33.00**	**32.00**	47.00	70.00	63.00	52.00	55.00	42.00
September	32.00	39.00	39.00	31.00	32.00	47.00	70.00	63.00	52.00	55.00	42.00
October	31.00	38.00	38.00	29.50	31.50	0.00	65.00	59.00	**53.00**	52.00	40.00
November	31.00	38.00	38.00	32.00	32.00	41.00	63.00	60.00	48.00	46.00	41.00
December	31.00	0.00	48.00	32.00	32.00	48.00	63.00	60.00	49.00	46.00	41.00

[1] The data shown were reported by the Geysers Power Company in Form CEC-1304, Power Plant Owner Report. This report is due to the Energy Commission quarterly pursuant to the California Code of Regulations, Title 20, Division 2, Chapter 3, Section 1304(a).
[2] The data shown in shaded and outlined cells indicate the highest operating capacity for that plant for the year. The shaded boxes mark the estimated operating capacity per unit.
[3] The data provided by SCE and PG&E aggregates procurement for Units 5 and 6 and for Units 7 and 8.

Table 3: Estimated Operating Capacity for Specified Calpine Geysers Units in 2003 and 2004

Estimated Operating Capacity	Sonoma	Unit 5/6[1]	Unit 7/8[1]	Unit 12	Unit 13	Unit 16	Unit 17	Unit 18	Unit 20
2003	43	91	73	49	71	64	53	62	47
2004	42	79	67	53	61	61	60	56	45

[1] Since the data provided by SCE and PG&E aggregates procurement for Units 5 with procurement from Unit 6 and likewise for Units 7 and 8, the Energy Commission added the incremental geothermal capacity accordingly. For example, for 2003 the operating capacity for Unit 5 is 43 MW and for Unit 6 it is 48 MW (shown in Table 2) for a combined total of 91 MW.

The following example illustrates how the amount of incremental geothermal SCE and PG&E procured was estimated. For Unit 20, the Energy Commission certified 17 MW as incremental geothermal for 2003 and an additional 4 MW in 2004 for a total of 21 MW for 2004 (data from Table 1). The estimated operating capacity for Unit 20 is 47 MW in 2003 and 45 MW in 2004 (data from Table 3). Therefore, in 2003, the incremental geothermal is 36 percent of operating capacity (17 MW incremental geothermal/47 MW operating capacity) and is 47 percent for 2004 (21 MW incremental geothermal/45 MW operating capacity). Applying these percentages to energy production from Unit 20, a total of 128,411 MWh of incremental geothermal energy was produced in 2003 and 183,273 MWh in 2004. The 2003 procurement is allocated toward the IPT, and the 2004 procurement is allocated to baseline, with the exception of procurement from the 4 MW of incremental geothermal added between 2003 and 2004.

Consequently, in this report, PG&E's procurement of 128,411 MWh from Unit 20 is allocated toward the IPT in 2003 and 34,909 MWh toward IPT in 2004 (4/45*392,727 MWh produced by Unit 20 in 2004 = 34,909 MWh). Additionally, 357,818 MWh is allocated to baseline in 2004 (392,727 MWh produced – 34,909 MWh incremental geothermal). Since PG&E procured incremental geothermal generation from these facilities for the entire calendar years of 2003 and 2004, the certified incremental geothermal capacity for 2003 was utilized in estimating incremental geothermal procurement for 2003 while the increase in certified incremental geothermal capacity between 2003 and 2004 was utilized in estimating incremental geothermal procurement in 2004.

SCE, however, began its procurement of incremental geothermal capacity in May 2003. In this example, the certified incremental geothermal capacity for 2003 would have been used to estimate the incremental geothermal procured between May and December 2003 and the calculation accounts for eight months of incremental

geothermal procurement instead of an entire year for 2003. For 2004, for January through April 2004, the certified incremental geothermal capacity for 2003 plus incremental geothermal added between 2003 and 2004 would be used. For the remainder of 2004, the calculation would use the increase in certified incremental geothermal capacity between 2003 and 2004.

Results

PG&E procured generation from two facilities with incremental geothermal capacity in 2004 (Table 4): Units 13 and 20 of the Calpine Geysers. The Energy Commission compared the procurement from both facilities with available generation data and confirmed that the quantity generated exceeded the amount procured by PG&E. This check ensures that the amount procured does not exceed the amount generated.

As shown in Table 4, PG&E procured a total of 721,678 MWh from Calpine Geysers Units 13 and 20 in 2003, with 454,350 MWh from Calpine Geysers Unit 13 and 267,328 MWh from Calpine Geysers Unit 20. Of the 721,678 MWh procured by PG&E from Calpine Geysers Units 13 and 20, the Energy Commission calculates that 200,076 MWh qualify as incremental geothermal energy that is not restricted to baseline or adjusting the baseline. This estimate assumes that all of the incremental geothermal energy generated from these facilities was sold to PG&E and not allocated to a separate customer (since total generation from these facilities exceeds the amount PG&E procured, the data indicate that some of the electricity produced was sold to a separate entity).

Table 5 shows that the Energy Commission estimates PG&E procured 667,035 MWh of geothermal energy in 2004. PG&E's 2004 Geysers procurement includes 51,716 MWh generated from the additional incremental geothermal capacity certified for 2004 beyond 2003. This energy comes from Unit 13 and Unit 20. The Energy Commission certified 9 MW from Unit 13 and 17 MW from Unit 20 for 2003. For 2004, the Energy Commission certified an additional 2 MW from Unit 13 and 4 MW from Unit 20 as shown in Table 1. Consequently, procurement from 6 MW, totaling 51,716 MWh, is allocated to PG&E's 2004 IPT and 615,319 MWh is allocated to baseline (667,035 MWh – 51,716 MWh = 615,319 MWh).

Table 4: Estimated PG&E 2003 Incremental Geothermal Procurement

Calpine Geothermal Facility	2003 Facility Operating Capacity (MW)[1]	2003 Eligible Incremental Geothermal Capacity (MW)[2]	2003 Percent of Capacity Certified as Incremental Geothermal[3]	2003 Total Generation (MWh)[4]	2003 Estimated Incremental Geothermal Procured[5] (MWh)	2003 Total Calpine Geysers Procurement (MWh)[6]
Unit 13	71	9	12.7%	565,356	71,665	454,350
Unit 20	47	17	36.2%	355,019	128,411	267,328
Total	**118**	**26**	**NA**	**920,375**	**200,076**	**721,678**

[1] This is the highest monthly "Available MW @ System Peak" that is reported by Calpine in its filing to the Energy Commission, *Power Plant Owner Report Forms* (Form 1304), see Table 2.
[2] Amount of capacity that the Energy Commission certified as "incremental geothermal" capacity.
[3] Eligible incremental geothermal capacity divided by the operating capacity.
[4] Reported by the generator to the Energy Commission.
[5] Estimated amount of incremental generation available for procurement in 2004 (total generation x percent of capacity certified as incremental geothermal). Staff assumed that all of the incremental geothermal generation produced from this facility was sold to PG&E by Calpine.
[6] Reported by PG&E to the Energy Commission on the RPS-Track form.

Table 5: Estimated PG&E 2004 Incremental Geothermal Procurement

Calpine Geothermal Facility	2004 Facility Operating Capacity (MW)[1]	2004 Eligible Incremental Geothermal Capacity (MW)[2]	2004 Percent of Capacity Certified as Incremental Geothermal[3]	2004 Total Generation (MWh)[4]	2004 Estimated Incremental Geothermal Procured[5] (MWh)	2004 Total Calpine Geysers Procurement (MWh)[6]
Unit 13	61	2	3.3%	512,599	16,807	374,152
Unit 20	45	4	8.9%	392,727	34,909	292,883
Total	**106**	**6**	**NA**	**905,326**	**51,716**	**667,035**

[1] This is the highest monthly "Available MW @ System Peak" that is reported by Calpine in its filing to the Energy Commission, *Power Plant Owner Report Forms* (Form 1304).
[2] Amount of capacity that the Energy Commission certified as "incremental geothermal" capacity.
[3] Eligible incremental geothermal capacity divided by the operating capacity.
[4] Reported by the generator to the Energy Commission.
[5] Estimated amount of incremental generation available for procurement in 2004 (total generation x percent of capacity certified as incremental geothermal). Staff assumed that all of the incremental geothermal generation produced from this facility was sold to PG&E by Calpine.
[6] Reported by PG&E to the Energy Commission on the RPS-Track form.

Table 6 shows an estimate of SCE's procurement that qualifies as incremental geothermal for 2003. SCE reported procurement of 1,184,759 MWh of geothermal electricity from the Calpine Geysers for 2003. Table 6 shows the amount of generation SCE procured from the following Calpine Geysers facilities: Unit 3/Sonoma, Unit 5/6, Unit 7/8, Unit 11, Unit 12, Unit 17, and Unit 18. Calpine Geothermal Unit 11 is a repowered facility, and consequently the 51,067 MWh that SCE procured from Unit 11 is not restricted to baseline or adjusting the baseline.

SCE's purchases from Unit 3/Sonoma, Unit 5/6, Unit 7/8, Unit 12, Unit 17, and Unit 18 represent a mix of energy that qualifies as either incremental geothermal or baseline/baseline adjustment. For 2003, of the 1,184,759 MWh procured by SCE from the Calpine Geysers, 241,545 MWh is incremental geothermal. This estimate takes into account that SCE procured incremental geothermal generation for eight months in 2003 (May 2003 through December 2003). The certified incremental geothermal capacity for 2003 was divided into the facility's operating capacity and that percentage was multiplied into that facility's total generation. Since SCE began its procurement of incremental geothermal generation in May 2003, the estimate was prorated to account for this.

Table 6: Estimated SCE 2003 Incremental Geothermal Procurement

Calpine Geothermal Facility	2003 Facility Operating Capacity (MW)[1]	2003 Eligible Incremental Geothermal Capacity (MW)[2]	2003 Percent of Capacity Certified as Incremental Geothermal[3]	2003 Total Generation (MWh)[4]	2003 Estimated Incremental Geothermal Procured[5] (MWh)	2003 Total Calpine Geysers Procurement (MWh)[6]
Unit 3/Sonoma	43.0	1.3	3.0%	294,697	5,940	130,039
Unit 5/6	91.0	1.4	1.5%	696,564	7,144	310,602
Unit 7/8	73.0	8.6	11.8%	458,357	35,999	230,493
Unit 11[7]	59.0	0	0.0%	468,104	.0	51,067
Unit 12	49.0	3.6	7.3%	397,288	19,459	172,765
Unit 17	53.0	19.7	37.2%	424,020	105,072	191,048
Unit 18	62.0	14.0	22.6%	451,258	67,931	98,745
Total	**430**	**48.6**	**NA**	**3,190,288**	**241,545**	**1,184,759**

[1] This is the highest monthly "Available MW @ System Peak" that is reported by Calpine in its filing to the Energy Commission, *Power Plant Owner Report Forms* (Form 1304), see Table 2.
[2] Amount of capacity that the Energy Commission certified as "incremental geothermal" capacity.
[3] Eligible incremental geothermal capacity divided by the operating capacity.
[4] Reported by the generator to the Energy Commission.
[5] Estimated amount of incremental generation available for procurement between May 2003 and December 2003 (total generation X percent of capacity certified as incremental geothermal). In estimating SCE's 2003 procurement from the Calpine Geysers facilities that qualify as incremental geothermal, eight months of generation were used to calculate SCE's incremental geothermal procurement for 2003 because SCE began procuring incremental geothermal generation in May 2003. This table assumes that SCE procured all of the incremental geothermal generation produced by these facilities.
[6] Reported by SCE to the Energy Commission on the RPS-Track form.
[7] Calpine Geothermal Unit 11 is a repowered facility and none of the capacity for this unit is certified as incremental geothermal. However, due to its status as a repowered facility, procurement from this facility qualifies for meeting the IPT for the first year of procurement.

SCE reported procurement of 1,783,008 MWh of geothermal electricity from the Calpine Geysers in 2004 as shown in Table 7 SCE's purchases from Unit 3/Sonoma, Unit 5/6, Unit 7/8, Unit 12, Unit 17, and Unit 18 represent a mix of energy that qualifies as either incremental geothermal or baseline/baseline adjustment. Of the 1,783,008 MWh procured by SCE from the Calpine Geysers, 304,269 MWh is incremental geothermal. As mentioned earlier, SCE began its procurement of incremental geothermal generation in May 2003. For the months of January through April 2004, the certified incremental geothermal capacity for 2003 and the increased certified incremental geothermal for 2004 are utilized in estimating incremental geothermal generation for those months. However, for the months of May through December 2004, the increased incremental geothermal capacity over 2003 is utilized in this calculation.

The total amount generated by these facilities was greater than the total procured by SCE (i.e. 3,262,649 MWh was generated in 2004 and 304,269 MWh qualified as incremental geothermal) and this estimate assumes that all the incremental geothermal was procured by SCE, and that the energy not procured by SCE is non-incremental geothermal.

Table 7: Estimated SCE's 2004 Incremental Geothermal Procurement

Calpine Geothermal Facility	2004 Facility Capacity (MW)[1]	2004 Eligible Incremental Geothermal Capacity (MW)[2]	2004 Percent of Capacity Certified as Incremental Geothermal[3]	2004 Total Generation (MWh)[4]	2004 Estimated Incremental Geothermal Procured[5] (MWh)	2004 Total Calpine Geysers Procurement (MWh)[6]
Unit 3/Sonoma	42.0	6.3	15.0%	307,717	49,332	219,897
Unit 5/6	79.0	5.1	6.5%	626,352	44,135	445,897
Unit 7/8	67.0	7.0	10.4%	548,289	80,743	392,044
Unit 11[7]	62		0.0%	*508,453*		*28,679*
Unit 12	53.0	5.0	9.4%	443,259	51,853	316,407
Unit 17	60.0	2.0	3.3%	432,014	61,682	311,178
Unit 18[8]	56.0	0.0	0.0%	396,565	16,524	68,906
Total	**419**	**25.4**	**NA**	**3,262,649**	**304,269**	**1,783,008**

[1] Data from Calpine's application to the Energy Commission for certification as RPS-eligible.
[2] Amount of capacity that the Energy Commission certified as "incremental geothermal" capacity.
[3] Eligible incremental geothermal capacity divided by the generating capacity.
[4] Reported by the generator to the Energy Commission.
[5] Estimated amount of incremental generation available for procurement in 2004. To estimate the incremental geothermal procurement between January 2004 and April 2004, the sum of the incremental geothermal capacity that was certified for 2003 and 2004 was used to calculate eligible incremental geothermal generation for those months. However, from May 2004 through December 2004, only the increased amount of geothermal capacity certified for 2004 over 2003 was used to calculate the incremental geothermal generation for those months. This table assumes that SCE procured all of the incremental geothermal generation produced by these facilities.
[6] Reported by SCE to the Energy Commission on the RPS-Track form.
[7] Calpine Geothermal Unit 11 is a repowered facility and none of the capacity for this unit is certified as incremental geothermal. However, due to its status as a repowered facility, procurement from this facility qualifies for meeting the IPT for the first year of procurement.
[8] SCE only procured generation from Calpine Unit 18 for the months of January 2004, April 2004, and November 2004. Because SCE only procured generation from those months, the amount of incremental generation that they procured was prorated for those months of procurement.

SECTION 4: PROCUREMENT VERIFICATION FINDINGS

This section presents procurement verification findings for 2001, 2003, and 2004. First, the verified procurement that qualifies as IPT and APT is compared with the IOUs' targets for 2004. The results are presented for energy and percent retail sales for 2001, 2003, and 2004. Next, each IOU's procurement is shown by fuel type, eligibility for each year's APT, and eligibility for each year's IPT. Finally, each IOU's procurement from new and repowered facilities is identified for 2003 and 2004. Please note that the data shown are snapshots for the year and do not include banking that may be available from excess procurement in previous years.

The findings do not include 2002 because 2003 was the first year for which the CPUC set procurement targets. However, 2001 is included because it is considered the initial baseline year for the RPS. Procurement in 2003 and 2004 is allocated as either baseline or eligible for the IPT using the methodology and assumptions described earlier, with APT being the sum of the baseline and IPT. The information showing IOU-specific procurement was derived from the CEC-RPS-Track filings submitted to the Energy Commission for the years shown and other data sources described in Section 2. As described in Section 2, the findings presented here are based on assumptions about how to allocate procurement as baseline or incremental. Using different assumptions would likely change the findings.

Comparison of Procurement and Targets

Table 8 lists the IOUs' 2004 APT and IPT and the Energy Commission's estimates for the amount of procurement qualifying for each target. Tables 9 through 20 show total IOU renewable procurement for 2001, 2003, and 2004.

Table 8: IOU Progress in Meeting the RPS for 2004 (MWh)

Utility	2004 Annual Procurement Target (APT)	Procurement Towards Meeting 2004 APT Claimed on CEC-RPS-Track	Total Procured in Excess of 2004 APT[1]	2004 Incremental Procurement Target (IPT)	Estimated Incremental Procurement	Total Incremental Procured in Excess of 2004 IPT[2]
PG&E	9,474,759	8,590,682	(884,077)	710,990	285,880	(425,110)
SCE	12,736,000	13,247,500	511,500	706,000	323,377	(382,623)
SDG&E	423,336	677,966	254,630	150,439	380,367	229,928

[1] Negative numbers indicate that the IOU procured less than its APT.
[2] Negative numbers indicate that the IOU procured less than its IPT.

Pacific Gas and Electric

Tables 9 through 11 show PG&E's RPS-eligible procurement accounted for as baseline, incremental procurement, and total procurement for 2003 and 2004. Table 9 shows the amount of RPS-eligible electricity PG&E procured in terms of energy and percent retail sales, reflecting the allocation of PG&E's procurement as eligible for the baseline or eligible for the IPT. Table 10 shows the procurement targets set for PG&E by the CPUC. Table 11 shows the estimated amount of RPS-eligible energy PG&E procured per year in comparison with its RPS targets.

Table 9: PG&E RPS Procurement

	RPS Procurement for PG&E (MWh)[1]			Percent of Retail Sales		
	2001	2003	2004	2001	2003	2004
APT[2]	na	8,763,765	9,474,759	na	12.3%	12.9%
IPT[2]	na	753,200	710,994	na	1.1%	1.0%
Baseline (APT-IPT)	6,719,480	8,010,565	8,763,761	8.9%	11.3%	11.9%
Incremental procurement[3, 8]	na	295,936[4]	285,880[5]	na	0.4%	0.4%
Baseline procurement[6, 8]	6,719,480	8,532,129	8,304,802	na	12.0%	11.3%
Total procurement[7, 8]	6,719,480	8,828,065	8,590,682	8.9%	12.4%	11.7%
Retail sales[9]	75,320,000	71,099,363	73,616,302	na	na	na

[1] For 2001, total renewable procurement was reported in the "Report to the California Public Utilities Commission: Utility Procurement of Renewable Energy-2001 and 2002" which was filed by PG&E under Rulemaking 01-10-024. The data for 2003 and 2004 are derived from PG&E's RPS-Track submittals to the Energy Commission.

[2] The terminology used in this report for the 2003 targets is IPT and APT, recognizing that in 2003 the CPUC set an "Interim Procurement Benchmark" rather than an IPT or APT (Decision 04-06-014 Appendix A). The Interim Procurement Benchmark reflects a requirement to increase eligible renewable procurement by 1 percent and is referred to in this report as the 2003 APT and IPT.

[3] Incremental procurement is defined as the first year of renewable procurement from new or repowered RPS-eligible facilities, or from new IOU contracts for procurement from existing RPS-eligible facilities that were not previously under contract to that IOU, that occurs in the first or second calendar year of the facility's operations (subject to specific criteria and restrictions that apply to certain geothermal, small hydroelectric and municipal solid waste combustion facilities as set forth in the Renewable Portfolio Standard Eligibility Guidebook (August 2004, Publication Number 500-04-002F1)). In the event that incremental procurement exceeds the IPT, the excess is accounted for as incremental procurement until the year it is allocated to the IPT.

[4] Procurement from RPS-Eligible facilities that are either new, repowered, or have new contracts with PG&E totaled 817,538 MWh in 2003. Of the 817,538 MWh, PG&E procured 721,678 MWh from Calpine Geysers Units 13 and 20 of which 521,602 MWh is accounted for as baseline and 200,076 MWh is accounted for as incremental procurement. In addition to the 200,076 MWh that is accounted for as incremental geothermal, an additional 95,860 MWh is accounted for as incremental procurement, bringing PG&E's total of 2003 incremental procurement to 295,936 MWh.

[5] Procurement from RPS-Eligible facilities that are either new, repowered, or have new contracts with PG&E totaled 972,536 MWh in 2004. Of the 972,536 MWh, PG&E procured 667,035 MWh from Calpine Geysers Units 13 and 20 of which 615,319 MWh is accounted for as baseline and 51,716 MWh are accounted for as incremental procurement. The remaining 305,501 MWh procured in 2004 from three biomass facilities that began deliveries to PG&E in 2003. In 2003,PG&E procured 71,337 MWh from these facilities which is allocated as 2003 incremental procurement. Consequently, 234,164 MWh is allocated as incremental procurement in 2004 (2004 procurement net 2003 incremental procurement). Therefore, PG&E's 2004 incremental procurement total of 285,880 MWh is comprised from 51,716 MWh of incremental geothermal generation and 234,164 MWh of the aforementioned biomass generation.

[6] Baseline procurement is energy from facilities under contract in 2001, statutorily restricted to baseline, and/or has been previously allocated to the IOU's IPT.

[7] Total procurement is the total amount of RPS-eligible energy procured in the calendar year. (Total Procurement= Incremental Procurement + Baseline Procurement).

[8] The Baseline, Incremental, and Total Procurement totals are divided by the current year's retail sales.

[9] Appendix B of CPUC D.04-06-014 indicates the APT and IPT are calculated based on the previous year's retail sales. The APT for a given year is the sum of the previous year's APT and IPT, the IPT is 1 percent of the previous year's retail sales.

Table 10: PG&E RPS Procurement Targets[1]

Target	2003 Target MWh	2004 Target MWh	2003 Percent of 2001 Retail Sales	2004 Percent of 2003 Retail Sales
IPT	753,200	710,990	1.00%	1.00%
APT	8,763,765	9,474,759	11.64%	13.33%

[1]The CPUC adopted the 2004 targets in decision 04-06-014, R. 04-04-026 on June 9, 2004. The 2003 and 2004 IPTs and APTs appear in PG&E's March 1, 2005, Compliance Filing submitted to the CPUC under R.04-04-026.

Table 11: Difference between PG&E RPS Procurement and Targets

Eligibility	2003 Procurement (MWh)	2004 Procurement (MWh)	2003 Percent Above Target	2004 Percent Above Target
Qualifying APT Procurement	8,828,065	8,590,682	0.1%	-9.3%
Qualifying IPT Procurement	295,936	285,880	-60.7%	-59.8%

Southern California Edison

Tables 12 through 14 provide information on SCE's RPS-eligible procurement accounted for as baseline, incremental procurement, and total procurement for 2003 and 2004. Table 12 shows the amount of RPS-eligible electricity SCE procured in terms of energy and percent retail sales. The results reflect an allocation of SCE's procurement as eligible for the baseline or eligible for the IPT. Table 13 shows the procurement targets that the CPUC set for SCE. Table 14 shows the amount of RPS-eligible energy SCE procured per year in comparison with its RPS targets.

Table 12: SCE RPS Procurement

	RPS Procurement for SCE (MWh)[1]			Percent of Retail Sales		
	2001	2003	2004	2001	2003	2004
APT[2]	na	12,030,000	12,736,042	na	17.0%	17.5%
IPT[2]	na	748,069	706,170	na	1.1%	1.0%
Baseline (APT-IPT)	11,056,099	11,281,931	12,029,872	14.8%	16.0%	16.5%
Incremental procurement[3, 8]	na	501,576[4]	323,377[5]	na	0.7%	0.4%
Baseline procurement[6, 8]	11,056,099	11,994,662	12,924,123	na	17.0%	17.7%
Total procurement[7, 8]	11,056,099	12,496,238	13,247,500	14.8%	17.7%	18.2%
Retail sales[9, 10]	74,806,895	70,617,000	72,963,394	na	na	na

[1] For 2001, total renewable procurement was reported in the "Report to the California Public Utilities Commission: Utility Procurement of Renewable Energy-2001 and 2002" which was filed by SCE under Rulemaking 01-10-024. The data for 2003 and 2004 are derived from SCE's RPS-Track submittals to the Energy Commission.

[2] The terminology used in this report for the 2003 targets is IPT and APT, recognizing that in 2003 the CPUC set an "Interim Procurement Benchmark" rather than an IPT or APT (Decision 04-06-014 Appendix A). The Interim Procurement Benchmark reflects a requirement to increase eligible renewable procurement by 1 percent and is referred to in this report as the 2003 APT and IPT.

[3] Incremental procurement is defined as the first year of renewable procurement from new or repowered RPS-eligible facilities, or from new IOU contracts for procurement from existing RPS-eligible facilities that were not previously under contract to that IOU, that occurs in the first or second calendar year of the facility's operations (subject to specific criteria and restrictions that apply to certain geothermal, small hydroelectric and municipal solid waste combustion facilities as set forth in the Renewable Portfolio Standard Eligibility Guidebook (August 2004, Publication Number 500-04-002F1)). In the event that incremental procurement exceeds the IPT, the excess is accounted for as incremental procurement until the year it is allocated to the IPT.

[4] Procurement from RPS-Eligible facilities that are either new, repowered, or have new contracts with SCE totaled 1,393,724 MWh in 2003. Of the 1,393,724 MWh, SCE procured 1,133,693 MWh from Calpine Geysers Units 3/Sonoma, 5/6, 7/8, 12, 17, and 18, of which 892,148 MWh is accounted for as baseline and 241,545 MWh isaccounted for as incremental procurement. In addition to the 241,545 MWh that is accounted for as incremental geothermal, an additional 260,031 MWh is also accounted for as incremental procurement, bringing SCE's total of 2003 incremental procurement to 501,576 MWh. Included in the 260,031 MWh of incremental procurement is 51,067 MWh of procurement from Calpine Unit 11.

[5] Procurement from RPS-Eligible facilities that are either new, repowered, or have new contracts with SCE totaled 1,773,437 MWh in 2004. Of the 1,773,437 MWh, SCE procured 1,754,329 MWh from Calpine Geysers Units 3/Sonoma, 5/6, 7/8, 12, 17, and 18, of which 1,450,060 MWh are accounted for as baseline and 304,269 MWh is accounted for as incremental procurement. In addition to the 304,269 MWh accounted for as incremental procurement, an additional 19,108 MWh of generation is accounted for as incremental procurement, bringing SCE's total of 2004 incremental procurement to 323,377 MWh.

[6] Baseline procurement is energy from facilities under contract in 2001, statutorily restricted to baseline, and/or has been previously allocated to the IOU's IPT.

[7] Total procurement is the total amount of RPS-eligible energy procured in the calendar year. (Total Procurement= Incremental Procurement + Baseline Procurement).

[8] The Baseline, Incremental, and Total Procurement totals are divided by the current year's retail sales.

[9] SCE's 2004 Incremental Procurement is 0.4% of their retail sales while their baseline procurement is 17.7% of their retail sales, consequently baseline and incremental procurement combined is 18.1%. Due to rounding, the figure in this table is 18.2%.

[10] Appendix B of CPUC D.04-06-014 indicates the APT and IPT are calculated based on the previous year's retail sales. The APT for a given year is the sum of the previous year's APT and IPT, the IPT is 1 percent of the previous year's retail sales.

Table 13: SCE RPS Procurement Targets[1]

Target	2003 Procurement (MWh)	2004 Procurement (MWh)	2003 Percent of 2001 Retail Sales	2004 Percent of 2003 Retail Sales
IPT	748,069	706,170	1.0%	1.0%
APT	12,030,000	12,736,042	16.1%	18.0%

[1]The CPUC adopted the 2004 targets in decision 04-06-014, R. 04-04-026 on June 9, 2004.

Table 14: Difference between SCE RPS Procurement and Targets

Eligibility	2003 Procurement (MWh)	2004 Procurement (MWh)	2003 Percent Above Target	2004 Percent Above Target
Qualifying APT Procurement	12,496,238	13,247,500	3.9%	4.0%
Qualifying IPT Procurement	501,576	323,377	-33.0%	-54.2%

San Diego Gas & Electric

Tables 15 through 17 provide information on SDG&E's RPS-eligible procurement accounted for as baseline, incremental procurement, and total procurement for 2003 and 2004. Table 15 shows the amount of RPS-eligible electricity SDG&E procured in terms of energy and percent retail sales. The results reflect an allocation of SDG&E's procurement as eligible for the baseline or eligible for the IPT. Table 16 shows the procurement targets that the CPUC set for SDG&E. Table 17 shows the amount of RPS-eligible energy SDG&E procured per year compared to its RPS targets.

Table 15: SDG&E RPS Procurement

	RPS Procurement for SDG&E (MWh)[1]			Percent of Retail Sales		
	2001	**2003**	**2004**	**2001**	**2003**	**2004**
APT[2]	na	295,748	423,336	na	2.0%	2.7%
IPT[2]	na	149,988	150,439	na	1.0%	1.0%
Baseline (APT-IPT)	145,760	145,760	272,897	1.0%	1.0%	1.7%
Incremental procurement[3, 7]	na	405,528	380,367[4]	na	2.7%	2.4%
Baseline procurement[5, 7]	145,760	144,439	297,599	na	1.0%	1.9%
Total procurement[6, 7]	145,760	549,967	677,966	1.0%	3.7%	4.3%
Retail sales[8, 9]	14,998,806	15,043,865	15,811,591	na	na	na

[1] For 2001, total renewable procurement was reported in the "Report to the California Public Utilities Commission: Utility Procurement of Renewable Energy-2001 and 2002" which was filed by SDG&E under Rulemaking 01-10-024. The data for 2003 and 2004 are derived from SDG&E's RPS-Track submittals to the Energy Commission.

[2] The terminology used in this report for the 2003 targets is IPT and APT, recognizing that in 2003 the CPUC set an "Interim Procurement Benchmark" rather than an IPT or APT (Decision 04-06-014 Appendix A). The Interim Procurement Benchmark reflects a requirement to increase eligible renewable procurement by 1 percent and is referred to in this report as the 2003 APT and IPT.

[3] Incremental procurement is defined as the first year of renewable procurement from new or repowered RPS-eligible facilities, or from new IOU contracts for procurement from existing RPS-eligible facilities that were not previously under contract to that IOU, that occurs in the first or second calendar year of the facility's operations (subject to specific criteria and restrictions that apply to certain geothermal, hydro and municipal solid waste combustion facilities set forth in the Renewable Portfolio Standard Eligibility Guidebook (August 2004, Publication Number 500-04-002F1)). In the event that incremental procurement exceeds the IPT, the excess is accounted for as incremental procurement until the year it is allocated to the IPT.

[4] Procurement from RPS-Eligible facilities that are either new, repowered, or have new contracts with SDG&E totaled 188,637 MWh in 2004. Of the 188,637 MWh procured from these RPS-eligible facilities, 124,827 MWh qualified as 2004 incremental procurement to account for the first year for delivery to SDG&E that began part way through 2003. An additional 255,540 MWh qualifies as incremental procurement for 2004 that was excess incremental procurement from 2003 (405,528 MWh- 2003 IPT). The 380,367 MWh of incremental procurement= 124,827 MWh + 255,540 MWh.

[5] Baseline procurement is energy from facilities under contract in 2001, statutorily restricted to baseline, and/or has been previously allocated to the IOU's IPT.

[6] Total procurement is the total amount of RPS-eligible energy procured in the calendar year. (Total Procurement = Incremental Procurement + Baseline Procurement).

[7] The Baseline, Incremental, and Total Procurement totals are divided by the current year's retail sales.

[8] The figure given in this table is actually 2002 retail sales rather than 2001.

[9] Appendix B of CPUC D.04-06-014 indicates the APT and IPT are calculated based on the previous year's retail sales. The APT for a given year is the sum of the previous year's APT and IPT, the IPT is 1 percent of the previous year's retail sales.

Table 16: SDG&E RPS Procurement Targets[1]

Target	2003 Procurement Target (MWh)	2004 Procurement Target (MWh)	2003 Percent	2004 Percent
IPT	149,988[2]	150,439	1.0%	1.0%
APT	295,748[3]	423,336	2.0%	2.8%

[1]The CPUC adopted these targets in decision 04-06-014, R. 04-04-026 on June 9, 2004.
[2]In "Compliance Filing of San Diego Gas & Electric (U 902 E) Regarding Achievement of 2003 Renewable Portfolio Standard Annual Procurement Target" submitted to the CPUC under R.01-10-024, SDG&E reported that its APT was 149,988 MWh. This total is actually SDG&E's IPT for 2003 since it is 1 percent of SDG&E's 2001 sales that were 14,998,806 MWh.
[3]Based on Decision 04-06-014 under Rulemaking 04-04-026, SDG&E's 2003 APT is calculated as its 2001 sales of 145,760 MWh plus its 2003 IPT of 149,988 MWh, which equals 295,748 MWh.

Table 17: Difference Between SDG&E RPS Procurement and Targets

Eligibility	2003 Procurement (MWh)	2004 Procurement (MWh)	2003 Percent Difference	2004 Percent Difference
Qualifying APT Procurement	549,967	677,966	86.0%	60.1%
Qualifying IPT Procurement	405,528	380,367	170.4%	152.8%

RPS-Eligible Procurement by Fuel Type

SB 1078 notes that one of the purposes of the RPS is to "increase the diversity" of the energy mix. Because of the importance of this goal and general interest in understanding the technologies used to meet the RPS, Tables 18 – 32 provide information on the renewable fuel mix. Table 18 shows the 2004 fuel mix of the combined RPS procurement for PG&E, SCE, and SDG&E. The fuel mix per utility is shown in Tables 19 through 21. As indicated, geothermal dominates the overall resource mix (primarily from SCE procurement), totaling more generation than the other fuel types combined for all IOUs. For PG&E and SDG&E, procurement from biomass fueled facilities is slightly higher than from other fuel types.

Table 18: 2004 RPS Procurement by Fuel Type

Fuel	Procurement (MWh)
Biomass	3,690,319
Biogas	1,190,911
Geothermal	***9,615,145***
Municipal Solid Waste	129,547
Small Hydro	3,455,059
Solar	739,435
Wind	3,695,732
Total Renewable Procurement	**22,516,148**

Table 19: PG&E 2004 RPS Procurement by Fuel Type

Fuel	Procurement (MWh)
Biomass	***2,978,936***
Biogas	204,351
Geothermal	1,732,857
Municipal Solid Waste	129,547
Small Hydro	2,466,409
Solar	4
Wind	1,078,578
Total Renewable Procurement	**8,590,682**

Table 20: SCE 2004 RPS Procurement by Fuel Type

Fuel	Procurement (MWh)
Biomass	373,917
Biogas	774,086
Geothermal	***7,882,288***
Municipal Solid Waste	0
Small Hydro	975,516
Solar	739,317
Wind	2,502,376
Total Renewable Procurement	**13,247,500**

Table 21: SDG&E 2004 RPS Procurement by Fuel Type

Fuel	Procurement (MWh)
Biomass	***337,466***
Biogas	212,474
Geothermal	0
Municipal Solid Waste	0
Small Hydro	13,134
Solar	114
Wind	114,778
Total Renewable Procurement	**677,966**

Procurement Eligible for Incremental Procurement Target by Fuel Type

Table 22 shows the fuel mix for procurement that qualifies for meeting the IPT for PG&E, SCE, and SDGE for 2003. Tables 23 through 25 show the fuel mix by individual utility for that year.

Table 22: 2003 Procurement Eligible for IPT by Fuel Type

Fuel	Procurement (MWh)
Biomass	455,074
Biogas	63,260
Geothermal	492,687
Municipal Solid Waste	0
Small Hydro	0
Solar	0
Wind	192,019
Total Renewable Incremental Procurement	**1,203,040**

Table 23: PG&E 2003 Procurement Eligible for IPT by Fuel Type

Fuel	Procurement (MWh)
Biomass	95,860
Biogas	0
Geothermal	200,076
Municipal Solid Waste	0
Small Hydro	0
Solar	0
Wind	0
Total Renewable Incremental Procurement	**295,936**

Table 24: SCE 2003 Procurement Eligible for IPT by Fuel Type

Fuel	Procurement (MWh)
Biomass	17,496
Biogas	0
Geothermal[1]	292,611
Municipal Solid Waste	0
Small Hydro	0
Solar	0
Wind	191,469
Total Renewable Incremental Procurement	**501,576**

[1]As shown in Table 6, about 241,545 MWh of the 292,611 MWh is from incremental geothermal, while about 51,067 MWh is from repowered geothermal (Calpine Unit 11). Difference is due to rounding.

Table 25: SDG&E 2003 Procurement Eligible for IPT by Fuel Type

Fuel	Procurement (MWh)
Biomass	341,718
Biogas	63,260
Geothermal	0
Municipal Solid Waste	0
Small Hydro	0
Solar	0
Wind	550
Total Renewable Incremental Procurement	**405,528**

Table 26 shows the fuel mix for procurement eligible for the IPT for PG&E, SCE, and SDGE for 2004, and Tables 27 through 29 show the fuel mix by individual utility for that year.

Table 26: 2004 Procurement Eligible for IPT by Fuel Type

Fuel	Procurement (MWh)
Biomass	234,164
Biogas	29,707
Geothermal	355,985
Municipal Solid Waste	0
Small Hydro	0
Solar	0
Wind	114,228
Total Renewable Procurement	**734,084**

Table 27: PG&E 2004 Procurement Eligible for IPT by Fuel Type

Fuel	Procurement (MWh)
Biomass	234,164
Biogas	0
Geothermal	51,716
Municipal Solid Waste	0
Small Hydro	0
Solar	0
Wind	0
Total Renewable Procurement	**285,880**

Table 28: SCE 2004 Procurement Eligible for IPT by Fuel Type

Fuel	Procurement (MWh)
Biomass	0
Biogas	19,108
Geothermal	304,269
Municipal Solid Waste	0
Small Hydro	0
Solar	0
Wind	0
Total Renewable Procurement	**323,377**

Table 29: SDG&E 2004 Procurement Eligible for IPT by Fuel Type

Fuel	Procurement (MWh)
Biomass	0
Biogas	10,599
Geothermal	0
Municipal Solid Waste	0
Small Hydro	0
Solar	0
Wind	114,228
Total Renewable Procurement	**124,827**

Procurement from New and Repowered Generation

Based on the information presented on the CEC-RPS-Track filings, Table 30 shows the amount of energy the IOUs procured from new and repowered RPS-eligible facilities in 2003 and 2004. Tables 31 and 32 show the data disaggregated by fuel type for 2003 and 2004, respectively.

Table 30: New and Repowered Procurement

Utility	2003 Procurement (MWh)	2004 Procurement (MWh)
PG&E	0	0
SCE	51,107	47,805
SDG&E	0	84,084
Totals	**51,107**	**131,889**

Table 31: 2003 New and Repowered Procurement by Fuel Type

Fuel	Procurement (MWh)
Biomass	0
Biogas	0
Geothermal	51,067
Municipal Solid Waste	0
Small Hydro	0
Solar	40
Wind	0
Total Renewable Procurement	**51,107**

Table 32: 2004 New and Repowered Procurement by Fuel Type

Fuel	Procurement (MWh)
Biomass	0
Biogas	27,843
Geothermal	28,679
Municipal Solid Waste	0
Small Hydro	0
Solar	18
Wind	75,349
Total Renewable Procurement	**131,889**

Verification of Delivery Requirement

Procurement from an out-of-state RPS-eligible facility must be delivered to an in-state market hub or in-state substation located within the California Independent System Operator (CA ISO) control area. In accordance with the policies of the North American Electricity Reliability Council (NERC), electricity delivered across control areas must be tagged with what is commonly referred to as a “NERC tag.” NERC tags require, among other things, that information be provided identifying the Generation Providing Entity, the “source” or “Point of Injection,” the physical transmission path for delivery, the contract or market path, the location to which the electricity will be delivered to (“sink” or “Point of Withdrawal”), and the Load Serving Entity responsible for the consumption of electricity delivered. Pursuant to the *RPS*

Eligibility Guidebook, the Energy Commission requires summary reports of NERC tag transactions to document delivery of RPS electricity from out-of-state facilities. Early in 2006, the Energy Commission plans to consider adopting a revised version of this guidebook, including the following clarification: the delivery requirements do not apply to facilities located outside of California such that their first point of interconnection to the WECC transmission system is either located in California or located outside of California but within the CA ISO control area.

In 2004, there were only two specific purchases from two RPS-certified facilities located out-of-state. The staff verified that one facility (and one specific purchase) was located outside of California, but within the CA ISO, and therefore NERC tag data were not available because NERC tags are created only when energy delivery crosses control areas. For the second facility, staff reviewed a report submitted by SCE summarizing NERC tag data that identified the RPS-eligible generator and SCE as the procuring IOU. This documentation confirmed that the RPS delivery requirements were satisfied.

SECTION 5: LIMITATIONS OF THE INTERIM TRACKING SYSTEM

The interim tracking system limits the extent to which the Energy Commission can cross-reference California RPS-procurement with other specific purchases. For example, although the staff attempts to cross reference California RPS-procurement with retail claims made in Oregon and Washington, the staff does not check against retail claims made in any other states.

Further, the staff has only anecdotal information about specific purchases made in which Renewable Energy Certificates (RECs), also called "green tags" or "environmental attributes," are sold separately from the associated electricity.[23] For California's RPS, RECs must remain "bundled" with the electricity.[24] In other markets, however, generators, marketers, or brokers sell "unbundled" RECs as a separate commodity to individuals, companies, utilities, or other organizations. The Energy Commission does not track these transactions, and there is no mechanism for entities to report their unbundled REC procurement to the Energy Commission. Consequently, the Energy Commission does not currently have a way to cross-check RPS procurement claims with unbundled RECs that are sold in the voluntary market or used for compliance with the regulatory requirements of other states.

The robustness of the interim tracking system is limited by the quality of the generation data. In most cases, the generation data used for this report is self-reported and is not independently verified with third-party meter reads. WREGIS will help address many of these data limitations because it will: track renewable energy transactions throughout the WECC, not just California, Oregon, and Washington; account for unbundled REC transactions; and be supported by generation data from meter reads rather than self-reported generation data.

In this analysis, the Energy Commission identified the amount of procurement that qualified as IPT and baseline based on statutory requirements and the application of the CPUC's rules. In some cases, the analysis includes assumptions about how to allocate procurement as satisfying either the IPT or baseline. Those assumptions are documented here for purposes of completeness and to help identify outstanding accounting issues that need resolution. If the assumptions change, the results may also change; thus, the results should be carefully considered when determining compliance with RPS targets.

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[23] RECs represent the "renewable" quality of electricity generated from a renewable facility. A REC is created when renewable energy is generated. Although the market is not regulated in California, one MWh of renewable energy is typically represented with one REC. Once WREGIS is operational, it will track WREGIS Certificates in which one WREGIS Certificate is created when 1 MWh of renewable energy is generated.

[24] CPUC, Decision 03-06-071, Rulemaking 04-04-026, *Order Initiating Implementation of the Senate Bill 1078 Renewables Portfolio Standard Program*, June 19, 2003.

The Energy Commission anticipates revising the CEC-RPS-track forms and clarifying accounting rules in future years. Once adopted, the Energy Commission anticipates applying these rules to verify IOU filings rather than applying assumptions for differentiating procurement as IPT or baseline.

Given these caveats, this report verifies the 2004 RPS procurement in comparison with CPUC procurement targets.

Availability of Generation Data

The results provided here describe the availability of data to verify that an RPS-eligible facility generated at least as much energy as was procured by the IOUs. The IOUs reported 435 specific purchases in 2004 for the RPS on the CEC-RPS-Track forms submitted to the Energy Commission. The Energy Commission located independent sources of generation data for 285 of those purchases, representing 66 percent of the RPS-specific purchases.

Since the specific purchases vary in quantity procured, the Energy Commission also calculated the total procurement in MWh with available generation data. Of 22,516,148 MWh claimed on the 2004 CEC-RPS-Track forms, the Energy Commission located and analyzed generation data for 21,676,650 MWh, representing 96 percent of the claims in MWh. Table 33 identifies the total number of specific purchases per IOU and the quantity of electricity procured. Table 34 shows how many specific purchases were validated with independent sources of generation data and the corresponding quantity of electricity procured. Table 34 also shows the quantity of specific purchases for which data were not available to verify there was at least as much energy generated by the RPS-eligible facility as was procured from the facility.

Table 33: Total RPS Specific Purchases

Utility	Number of Purchases	RPS Procurement (MWh)
PG&E	230	8,590,682
SCE	185	13,247,500
SDG&E	20	677,966
Totals	**435**	**22,516,148**

Table 34: Availability of Generation Data

	Procurement Verified with Generation Data		Procurement for which Generation Data was not Available	
Utility	Number of Specific Purchases	Energy Procured (MWh)	Number of Specific Purchases	Energy Procured (MWh)
PG&E	144	8,186,779	86	403,903
SCE	128	12,827,741	57	419,759
SDG&E	13	662,130	7	15,836
Totals	**285**	**21,676,650**	**150**	**839,498**

Tables 35 through 40 disaggregate the data shown in Table 34 by fuel type for each IOU. As mentioned above, although staff could verify only two-thirds of the RPS specific purchases, the verified procurement represents 96 percent of the 2004 RPS procurement in terms of MWh.

Pacific Gas and Electric

Table 35 compares PG&E's total procurement with the quantity that the Energy Commission verified with an independent source of generation data. Conversely, Table 36 identifies PG&E's RPS purchases that could not be verified with its total RPS purchases. The staff identified generation data for 144 of the 230 RPS-specific purchases made by PG&E for 2004. These 144 purchases total 8,186,779 MWh out of the 8,590,682 MWh reported by PG&E. This indicates that 95 percent of the total eligible RPS generation in MWh reported by PG&E could be verified with an independent source of generation data. The high percentage of verified generation occurred across technologies, with the exception of one solar purchase made by PG&E that could not be verified.

For PG&E, generation data was available for 85 percent of the biogas generation and 99 percent of the biomass generation. Of the 86 purchases that could not be verified with generation data, 70 were from small hydroelectric facilities representing 157,274 MWh. Although a large number purchases could not be verified, generation data was available for 94 percent of the small hydro claims.

Table 35: Verification Data Available for PG&E

	PG&E's Procurement Verified with Generation Data		PG&E's Total Procurement	
Fuel Type	**Number of Purchases**	**Energy Procured (MWh)**	**Number of Purchases**	**Energy Procured (MWh)**
Biomass	25	2,952,753	26	2,978,936
Biogas	9	172,700	16	204,351
Geothermal	6	1,600,642	10	1,732,857
Municipal Solid Waste	1	129,547	1	129,547
Small Hydro	74	2,309,135	144	2,466,409
Solar	0	0	1	4
Wind	29	1,022,002	32	1,078,578
Totals	**144**	**8,186,779**	**230**	**8,590,682**

Table 36: Verification Data Not Available for PG&E

	PG&E's Procurement Not Verified with Generation Data		PG&E's Total Procurement	
Fuel Type	**Number of Purchases**	**Energy Procured (MWh)**	**Number of Purchases**	**Energy Procured (MWh)**
Biomass	1	26,183	27	3,108,483
Biogas	7	31,651	16	204,351
Geothermal	4	132,215	10	1,732,857
Municipal Solid Waste	0	0	0	0
Small Hydro	70	157,274	144	2,466,409
Solar	1	4	1	4
Wind	3	56,576	32	1,078,578
Totals	**86**	**403,903**	**230**	**8,590,682**

Southern California Edison

Table 37 compares SCE's RPS purchases that could be verified with its total RPS purchases. Table 38 compares SCE's RPS purchases that could not be verified with SCE's total RPS purchases. Generation data was available for 128 of 185 RPS purchases made by SCE for 2004. Of the 13,247,500 MWh procured by SCE, these 128 specific purchases total 12,827,741 MWh, indicating that 97 percent of the total eligible RPS generation in kWh claimed by SCE could be verified with independent sources of generation data.

The high percentage of verified generation occurred across technologies, with generation data available for 89 percent of the specific purchases from wind and 100 percent of the purchases from biomass. Of the 57 specific purchases that could not be verified with generation data, 25 were from small hydro facilities. Although a low number of overall small hydro purchases were verified, generation data was available for 98 percent of all of the small hydro purchases in MWh.

Table 37: Verification Data Available for SCE

	SCE's Procurement Verified with Generation Data		SCE's Total Procurement	
Fuel Type	**Number of Purchases**	**Energy Procured (MWh)**	**Number of Purchases**	**Energy Procured (MWh)**
Biomass	1	373,917	1	373,917
Biogas	15	751,862	23	774,086
Geothermal	26	7,782,534	27	7,882,288
Municipal Solid Waste	0	0	0	0
Small Hydro	33	956,788	58	975,516
Solar	8	739,292	10	739,317
Wind	45	2,223,348	66	2,502,376
Totals	**128**	**12,827,741**	**185**	**13,247,500**

Table 38: Verification Data Not Available for SCE

	SCE's Procurement Not Verified Generation Data		SCE's Total Procurement	
Fuel Type	**Number of Purchases**	**Energy Procured (MWh)**	**Number of Purchases**	**Energy Procured (MWh)**
Biomass	0	0	1	373,917
Biogas	8	22,224	23	774,086
Geothermal	1	99,754	27	7,882,288
Municipal Solid Waste	0	0	0	0
Small Hydro	25	18,728	58	975,516
Solar	2	25	10	739,317
Wind	21	279,028	66	2,502,376
Totals	**57**	**419,759**	**185**	**13,247,500**

San Diego Gas & Electric

Table 39 compares SDG&E's RPS specific purchases that could be verified with its total RPS procurement. Table 40 compares the RPS specific purchases for which independent sources of generation data were not available for comparison with the total amount SDG&E procured for the RPS. Generation data was available for 13 of 20 RPS-specific purchases made by SDG&E for 2004. The 13 specific purchases were verified with eligible generation data and total 662,130 MWh out of the 677,966 MWh procured by SDG&E, representing 98 percent of SDG&E's procurement in MWh.

Only 57 percent of SDG&E's small hydro specific purchases in MWh could be verified. SDG&E procured a total of 13,134 MWh from five small hydro facilities, yet

only 7,454 MWh from one facility could be verified. Additionally, one solar specific purchase totaling 114 MWh did not have available generation data. However, for the remaining technologies, verification data was available for 95 percent of the biogas generation and 100 percent of the biomass generation.

Table 39: Verification Data Available for SDG&E

	SDG&E's Procurement Verified with Generation Data		SDG&E's Total Procurement	
Fuel Type	**Number of Purchases**	**Energy Procured (MWh)**	**Number of Purchases**	**Energy Procured (MWh)**
Biomass	1	337,466	1	337,466
Biogas	9	202,456	10	212,474
Geothermal	0	0	0	0
Municipal Solid Waste	0	0	0	0
Small Hydro	1	7,454	5	13,134
Solar	0	NA	1	114
Wind	2	114,754	3	114,778
Totals	**13**	**662,130**	**20**	**677,966**

Table 40: Verification Data Not Available for SDG&E

	SDG&E's Procurement Not Verified with Generation Data		SDG&E's Total Procurement	
Fuel Type	**Number of Purchases**	**Energy Procured (MWh)**	**Number of Purchases**	**Energy Procured (MWh)**
Biomass	0	0	1	337,466
Biogas	1	10,018	10	212,474
Geothermal	0	0	0	0
Municipal Solid Waste	0	0	0	0
Small Hydro	4	5,680	5	13,134
Solar	1	114	1	114
Wind	1	24	3	114,778
Totals	**7**	**15,836**	**20**	**677,966**

Investor-Owned Utility Procurement Verification

With the exceptions noted below, the Energy Commission verified that the IOUs' procurement from a facility did not exceed the amount of energy produced from the facility.

Pacific Gas and Electric

Of PG&E's 230 specific purchases, generation data were identified for 144 specific purchases totaling 8,186,779 MWh. In 134 of those specific purchases, there was less than a 5 percent difference between the procurement from that plant and the

amount generated, as shown in Table 41. However, there are 10 specific purchases in which the procurement exceeds the amount generated by that power plant by 5 percent or greater when the procurement is compared with available generation data. This includes five specific wind purchases totaling 115,684 MWh and three biomass specific purchases totaling 201,611MWh (Table 42).

Table 41: PG&E's Procurement versus Generation

Percent Difference between Procurement and Generation Data	Number of Specific Purchases
5 percent or Higher	10[1]
Less than 5 percent	134

[1]In Pacific Gas and Electric Company's modified 2004 CEC-RPS-Track, it appears that there are 7 specific purchases in which the procurement exceeds the amount generated by that power plant by 5 percent or greater. However, generation data for the four Altamont Power LLC facilities were only available in aggregate. According to data reported to the Energy Information Administration, those facilities generated 239,000 kWh while PG&E reported 96,246,000 kWh of procurement from the four Altamont Power LLC facilities.

Table 42 shows the ten PG&E specific purchases for which the amount procured exceeds the amount generated, according to data available. This table shows the number of occurrences in which the procurement exceeded generation by at least 5 percent (in cases where multiple sources of generation data were available, the staff selected the greatest quantity generated for comparison). The table also shows the quantity of energy procured, by fuel type, through these purchases.

Table 42: PG&E's Procurement that Exceeds Generation in 2004

Fuel Type	Number of Specific Purchases	Quantity Procured (MWh)
Biomass	3	201,611
Biogas	1	32,646
Geothermal	0	NA
Municipal Solid Waste	0	NA
Small Hydro	1	5,416
Solar	0	NA
Wind	5	115,684
Total	**10**	**355,357**

Southern California Edison

Of SCE's 185 RPS specific purchases, generation data was available for 128 specific purchases totaling 12,827,741 MWh. In 115 of those specific purchases, there was less than a 5-percent difference between the procurement from that plant than the amount generated (Table 43). However, there are 13 specific purchases in which the amount purchased exceeds the amount generated by that power plant as indicated in the available data (Table 43). This includes four geothermal specific

purchases totaling 564,957 MWh and six wind claims totaling 287,495 MWh (Table 44).

Table 43: SCE's Procurement versus Generation

Percent Difference	Number of Specific Purchases
5 percent or Higher	13
Less than 5 percent	115

Table 44 shows the 13 SCE specific purchases for which the amount procured exceeds the amount generated, according to the data available. This table shows the number of occurrences in which the procurement exceeded generation by at least 5 percent. In cases where multiple sources of generation data were available, the staff selected the greatest quantity generated for comparison. The table also shows the quantity of energy procured, by fuel type, through these purchases.

Table 44: SCE's Procurement that Exceeds Generation in 2004

Fuel Type	Number of Specific Purchases	Quantity Procured (MWh)
Biomass	0	NA
Biogas	1	46,128
Geothermal	4	564,957
Municipal Solid Waste	0	NA
Small Hydro	2	15,348
Solar	0	NA
Wind	6	287,495
Total	**13**	**913,928**

San Diego Gas & Electric

Of SDG&E's 20 RPS specific purchases, generation data was available for 13 totaling 662,130 MWh. For 11 purchases, there was less than a 5-percent difference between the quantities procured and the amount generated (Table 45). There were two specific purchases 99,350 MWh in which the procurement exceeded the data on the amount generated by that power plant by 5 percent or higher (Table 46).

Table 45: SDG&E's Procurement versus Generation

Percent Difference	Number of Specific Purchases
5 percent or Higher	2
Less than 5 percent	11

Table 46 shows the SDG&E specific purchases for which the amount procured exceeds the amount generated, according to data available. This table shows the

number of occurrences in which the procurement exceeded generation by at least 5 percent. In cases where multiple sources of generation data were available, the staff selected the greatest quantity generated for comparison. The table also shows the quantity of energy procured, by fuel type, through these purchases.

Table 46: SDG&E's Procurement that Exceeds Generation in 2004

Fuel Type	Number of Specific Purchases	Quantity Procured (MWh)
Biomass	0	NA
Biogas	1	23,451
Geothermal	0	NA
Municipal Solid Waste	0	NA
Small Hydro	0	NA
Solar	0	NA
Wind	1	75,899
Total	**2**	**99,350**

In conclusion, the Energy Commission notes the holes and inconsistencies between the procurement reported on the CEC-RPS-Track forms and the available generation data, but do not propose to net out any of the inconsistent procurement from the amount verified as eligible for each IOU's APT and IPT requirements for 2003 and 2004.

APPENDIX

The Appendix includes modified versions of the 2004 CEC-RPS-Track filings for PG&E, SCE, and SDG&E. The modifications to the filings of the IOUs include identification numbers that were not entered in the IOUs' original filings. For example, an IOU may have included a generator's CEC-RPS-Certification Number but not the EIA Number or any other identification numbers. Staff included the EIA Number and/or applicable identification number for generators once those numbers were located. A column was also added that includes procurement from the same generating facility from other retail sellers such as energy service providers and publicly-owned utilities that was reported to the SB 1305 Power Source Disclosure Program. The sum of the information reported to the Power Source Disclosure Program and the procurement information reported to the Energy Commission in the CEC-RPS-Track form was compared to generation totals reported to the Energy Commission and the Energy Information Administration. The modified CEC-RPS Track filing compares each IOU's procurement from each generator to the generation totals when available.

In addition to the modified CEC-RPS-Track filings, also included in the Appendix are tables that indicate which specific purchases are counted towards each IOU's IPT for 2003 and 2004.

Facility Name	Fuel Type	CEC RPS Certification Number[1]	EIA Number[2]	CEC ID Number[3]	CEC Plant ID Number[4]	ISO Resource ID Number[5]	QF ID Number[6]	Procurement Reported on CEC-RPS-Track (kWh)[7]	Procurement From Other Retail Sellers Reported to the Power Source Disclosure Program(kWh)[8]
A.G. WISHON PH	Small Hydro	60032E	293	NA	H0570	WISHON_6_UNITS	NONE	53,325,000	0
ALTA PH	Small Hydro	60033E	214	NA	H0005	BNNIEN_7_ALTAPH	NONE	4,334,000	0
ALTAMONT MIDWAY LTD	Wind	60118E	50001	20019	W0007	NA	16W009	20,271,000	0
ALTAMONT POWER LLC (3-4)	Wind	60119E	10581	20074	NA	FLOWD2_2_UNIT 1	16W014	26,991,000	0
ALTAMONT POWER LLC (4-4)	Wind	60120E	10581	20074	NA	FLOWD2_2_UNIT 1	16W015	26,991,000	0
ALTAMONT POWER LLC (5-4)	Wind	60121E	10581	20074	NA	FLOWD2_2_UNIT 1	16W016	21,132,000	0
ALTAMONT POWER LLC (6-4)	Wind	60122E	10581	20074	NA	FLOWD2_2_UNIT 1	16W017	21,132,000	0
Total Claims from the Altamont Power LLC Facilities								96,246,000	0
AMEDEE GEOTHERMAL VENTURE I	Geothermal	60111E	50964	30008	T0001	WINAMD_6_UNIT 2	10G012	4,254,000	0
AMERICAN ENERGY, INC (WOLFSEN)	Small Hydro	60151E	NA	NA	H0572	WOLFEN_6_UNIT 1	25H038	2,276,000	0
AMERICAN ENERGY, INC. (SAN LUIS BYP)	Small Hydro	60150E	NA	NA	NA	WOLFEN_6_UNIT 1	25H039	19,000	0
ARBUCKLE MOUNTAIN HYDRO	Small Hydro	60194E	NA	30108	NA	TBLMTN_6_QF	13H008	591,000	0
BAILEY CREEK RANCH	Small Hydro	60195E	NA	NA	NA	VOLTA_7_BAILEY	13H119	1,601,000	0
BAKER STATION ASSOCIATES L.P.	Small Hydro	60152E	NA	30123	NA	WEABKR_7_UNIT	19H002	3,512,000	0
BIO-ENERGY PART.	Biogas	60096E	50571	30161	E0106	NA	01P219	41,875,000	0
BROWNS VALLEY IRRIGATION DIST.	Small Hydro	60197E	NA	30160	NA	TBLMTN_6_QF	12H054	3,432,000	0
BUENA VISTA ENERGY, LLC	Wind	60124E	NA	20009	NA	WNDMAS_2_UNIT 1	01W001	19,438,000	0
BURNEY FOREST PRODUCTS	Biomass	60073E	10652	10026	E0005	BURNYF_2_UNIT 1	13C038	225,020,000	0
CALAVERAS CITY WATER DISTRICT	Small Hydro	60153E	NA	NA	H0073	NHOGAN_6_UNITS	16H008	6,243,000	0
CALAVERAS YUBA HYDRO #1	Small Hydro	60198E	NA	30136	NA	TESLA_1_QF	16H092	346,000	0
CALAVERAS YUBA HYDRO #2	Small Hydro	60199E	NA	NA	NA	TESLA_1_QF	16H177	329,000	0
CALAVERAS YUBA HYDRO #3	Small Hydro	60200E	NA	NA	NA	TESLA_1_QF	16H178	228,000	0
CALPINE GEYSERS #13	Geothermal	60005A	286	30142	T0060	GEYS13_7_UNIT13	33R003	374,152,000	0
CALPINE GEYSERS #20	Geothermal	60009A	286	30147	T0030	GEYS20_7_UNIT20	33R004	292,883,000	64,671,000
CALPINE GEYSERS COMPANY (KW #1)	Geothermal	60112E	10469	30111	T0005	BEARCN_2_UNIT 1	04G012	62,413,000	0
CALPINE GEYSERS COMPANY (KW #2)	Geothermal	60113E	NA	30112	T0006	BEARCN_2_UNIT 2	04G016	62,950,000	0
CALPINE GEYSERS COMPANY (W.FORD)	Geothermal	60114E	10199	30110	T0007	ADLIN_1_UNIT 1	04G025	215,491,000	0
CANAL CREEK POWER PLANT (RETA)	Small Hydro	60201E	NA	NA	NA	CURIS_1_QF	25H204	1,365,000	0
CENTERVILLE PH	Small Hydro	60034E	224	NA	H0092	CNTRVL_6_UNIT	NONE	29,429,000	0
CHARCOAL RAVINE	Small Hydro	60202E	NA	NA	NA	RIOOSO_1_QF	15H068	14,000	0
CHILI BAR PH	Small Hydro	60035E	225	NA	H0096	PLACVL_1_CHILIB	NONE	26,087,000	0
CITY OF WATSONVILLE	Biogas	60190E	NA	NA	NA	MOSSLD_1_QF	08C078	8,000	0
COLEMAN PH	Small Hydro	60037E	227	NA	H0106	COLEMN_2_UNIT	NONE	61,503,000	0
COLLINS PINE	Biomass	60074E	10661	10028	E0026	COLPIN_6_COLLNS	10C003	23,423,000	0
COMMUNITY RENEWAL ENERGY SERVICE	Biomass	60272E	NA	10042	NA	DINUBA_6_UNIT	33R005	107,736,000	0
COUNTY OF SONOMA	Biogas	60097E	NA	30027	0196, E0197	SNMALF_6_UNITS	04P051	50,206,000	0
COVANTA PACIFIC POWER (SALINAS)	Biogas	60098E	52205	30075	E0144	PRNDAL_7_COVANT	18P014	9,963,000	0
COVANTA PACIFIC POWER (STOCKTON)	Biogas	60100E	NA	30077	NA	TESLA_1_QF	16P001	4,686,000	0
COVANTA PACIFIC PWR (SANTA CLARA)	Biogas	60099E	52207	30076	E0141	MNTVIS_1_QF	08P008	7,781,000	0
COW CREEK PH	Small Hydro	60038E	229	NA	H0118	COWCRK_2_UNIT	NONE	10,772,000	0
CRANE VALLEY PH	Small Hydro	60039E	230	NA	NA	CRNEVL_6_CRNVA	NONE	2,343,000	0
DAVID O. HARDE	Small Hydro	60205E	NA	30104	NA	GOLDHL_1_QF	06H159	20,000	0
DE SABLA PH	Small Hydro	60041E	232	NA	H0130	DSABLA_7_UNIT	NONE	96,085,000	0
DEER CREEK PH	Small Hydro	60040E	233	NA	H0133	DEERCR_6_UNIT 1	NONE	21,600,000	0
DIAMOND WALNUT GROWERS INC.	Biomass	60075E	NA	10023	E0032	WEBER_2_DIAMND	16C088	18,015,000	0
DIGGER CREEK RANCH	Small Hydro	60206E	NA	30107	NA	CTNWDP_1_QF	13H132	3,597,000	0

Procurement Reported to the Energy Commission (kWh)[9]	CEC-1304 Report Filings to the Energy Commission By Generators (MWh)[10]	EIA-906 and EIA-920 Forms Submitted to the Energy Information Administration By Generators (MWh)[11]	Data Reported to the Energy Commission's Existing Renewable Facilities Program (kWh)[12]	Data Reported to the Energy Commission's New Renewable Facilities Program (kWh)[13]	Data Reported to the Energy Commission's Wind Performance Report Summary (kWh)[14]	Generation Data Used For Comparison with Procurement (Largest Value From Columns L-P)[15]	Difference between Generation and Annual Procurement (kWH)[16]	Percentage Difference Between the Highest Generation Total and Annual Procurement[17]
53,325,000	52,303	53,325	No Data	No Data	No Data	53,325,000	-	0.0%
4,334,000	1,834	4,332	No Data	No Data	No Data	4,332,000	(2,000)	0.0%
20,271,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
26,991,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
26,991,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
21,132,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
21,132,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
96,246,000	No Data	239	No Data	No Data	No Data	239,000	(96,007,000)	-99.8%
4,254,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
2,276,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
19,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
591,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
1,601,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
3,512,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
41,875,000	43,677	No Data	No Data	No Data	No Data	43,677,000	1,802,000	4.3%
3,432,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
19,438,000	No Data	No Data	No Data	No Data	18,404,745	18,404,745	(1,033,255)	-5.3%
225,020,000	231,482	236,175	216,979,416	No Data	No Data	236,175,000	11,155,000	5.0%
6,243,000	6,288	No Data	No Data	No Data	No Data	6,288,000	45,000	0.7%
346,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
329,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
228,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
374,152,000	512,599	No Data	No Data	No Data	No Data	512,599,000	138,447,000	37.0%
357,554,000	392,727	No Data	No Data	No Data	No Data	392,727,000	35,173,000	9.8%
62,413,000	126,789	No Data	No Data	No Data	No Data	126,789,000	64,376,000	103.1%
62,950,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
215,491,000	217,743	No Data	No Data	No Data	No Data	217,743,000	2,252,000	1.0%
1,365,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
29,429,000	24,212	29,429	No Data	No Data	No Data	29,429,000	-	0.0%
14,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
26,087,000	26,179	26,086	No Data	No Data	No Data	26,179,000	92,000	0.4%
8,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
61,503,000	61,620	61,504	No Data	No Data	No Data	61,620,000	117,000	0.2%
23,423,000	0	No Data	20,764,900	No Data	No Data	20,764,900	(2,658,100)	-11.3%
107,736,000	No Data	No Data	91,274,374	No Data	No Data	91,274,374	(16,461,626)	-15.3%
50,206,000	49,251	No Data	No Data	No Data	No Data	49,251,000	(955,000)	-1.9%
9,963,000	10,391	No Data	No Data	No Data	No Data	10,391,000	428,000	4.3%
4,686,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
7,781,000	7,710	No Data	No Data	No Data	No Data	7,710,000	(71,000)	-0.9%
10,772,000	10,773	10,773	No Data	No Data	No Data	10,773,000	1,000	0.0%
2,343,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
20,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
96,085,000	96,147	96,085	No Data	No Data	No Data	96,147,000	62,000	0.1%
21,600,000	21,519	21,581	No Data	No Data	No Data	21,581,000	(19,000)	-0.1%
18,015,000	18,358	No Data	18,420,009	No Data	No Data	18,358,000	343,000	1.9%
3,597,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA

Facility Name	Fuel Type	CEC RPS Certification Number[1]	EIA Number[2]	CEC ID Number[3]	CEC Plant ID Number[4]	ISO Resource ID Number[5]	QF ID Number[6]	Procurement Reported on CEC-RPS-Track (kWh)[7]	Procurement From Other Retail Sellers Reported to the Power Source Disclosure Program(kWh)[8]
DONALD R. CHENOWETH	Wind	60257E	NA	NA	NA	NEWARK_1_QF	01W119	17,000	0
DUTCH FLAT 1 PH	Small Hydro	60042E	237	NA	H0156	DUTCH1_7_UNIT 1	NONE	97,522,000	0
E J M MCFADDEN	Small Hydro	60207E	NA	NA	NA	FULTON_1_QF	04H062	993,000	0
EAGLE HYDRO	Small Hydro	60208E	NA	30135	NA	RIOOSO_1_QF	15H012	376,000	0
EBMUD (OAKLAND)	Biogas	60101E	NA	NA	NA	EBMUD_1_UNIT 1	01P171	6,702,000	0
EL DORADO (MONTGOMERY CRK)	Small Hydro	60154E	55009	30021	H0168	COVERD_7_MNTGRY	13H001	8,576,000	0
ERIC AND DEBBIE WATTERNBURG	Small Hydro	60209E	NA	NA	NA	TBLMTN_6_QF	10H007	348,000	0
FAIRFIELD POWER PLANT	Small Hydro	60210E	NA	NA	NA	CURIS_1_QF	25H193	2,291,000	0
FAIRHAVEN POWER CO	Biomass	60076E	10052	10022	E0037	FAIRHV_6_UNIT	19P005	99,538,000	0
FAR WEST POWER CORPORATION	Small Hydro	60155E	NA	NA	NA	FULTON_1_QF	04H011	55,000	0
FIVE BEARS HYDROELECTRIC	Small Hydro	60211E	NA	NA	NA	TBLMTN_6_QF	10H010	854,000	0
FRIANT POWER AUTHORITY	Small Hydro	60156E	50393	30062	H0198	FRIANT_6_UNITS	25H037	64,623,000	0
GAS RECOVERY SYSTEM (AMER. CYN)	Biogas	60102E	10392	NA	E0118	HIWAY_7_ACANYN	04P010	10,970,000	0
GAS RECOVERY SYSTEM (GUADALUPE)	Biogas	60103E	10390	30086	E0120	HICKS_7_GUADLP	08P006	17,399,000	0
GAS RECOVERY SYSTEM (MENLO PARK)	Biogas	60104E	10391	30087	E0123	BLHVN_7_MENLOP	02P014	11,813,000	0
GAS RECOVERY SYSTEM (NEWBY ISL. 2)	Biogas	60105E	10389	30089	E0122	MNTAGU_7_NEWBYI	08P004	32,646,000	0
GAS RECOVERY SYSTEM (SANTA CRUZ)	Biogas	60106E	NA	30129	NA	NA	08P021	4,684,000	0
GEO ENERGY PARTNERSHIP #1	Geothermal	60115E	52158	30105	T0023	ADLIN_1_UNIT 2	04G018	61,204,000	0
GEOTHERMAL ENERGY PARTNERSHIP #2	Geothermal	60116E	NA	30106	T0076	WDFRDF_2_UNITS	04G019	62,165,000	0
GEYSERS POWER COMPANY, LLC	Geothermal	60117E	50066	30007	T0050	SANTFG_7_UNITS	04G057	594,499,000	0
GLENN COLUSA IRR. DIST. (FUNKS CK)	Small Hydro	60212E	NA	NA	NA	TBLMTN_6_QF	12H056	29,000	0
GLENN COLUSA IRR. DIST. (STOVALL 2)	Small Hydro	60213E	NA	NA	NA	VACADX_1_QF	12H053	128,000	0
GREEN RIDGE POWER LLC (5.9MW)	Wind	60133E	10127	20049	NA	NA	01W018	13,334,000	0
GREEN RIDGE POWER LLC (70MW)	Wind	60138E	10127	20050	NA	NA	01W035	123,302,000	0
GREEN RIDGE POWER LLC (30MW)	Wind	60132E	10127	20051	NA	NA	01W144	54,024,000	0
GREEN RIDGE POWER LLC (100MW-A)	Wind	60126E	10127	20052	NA	NA	01W146A	93,570,000	0
GREEN RIDGE POWER LLC (100MW-B)	Wind	60127E	10127	20053	NA	NA	01W146B	64,565,000	0
GREEN RIDGE POWER LLC (100MW-C)	Wind	60128E	10127	20054	NA	NA	01W146C	21,229,000	0
GREEN RIDGE POWER LLC (100MW-D)	Wind	60129E	10127	20055	NA	NA	01W146D	31,741,000	0
GREEN RIDGE POWER LLC (70MW-A)	Wind	60134E	10127	20056	NA	NA	06W146A	47,526,000	0
GREEN RIDGE POWER LLC (70MW-B)	Wind	60135E	10127	20057	NA	NA	06W146B	24,708,000	0
GREEN RIDGE POWER LLC (70MW-D)	Wind	60137E	10127	20058	NA	NA	06W146D	2,003,000	0
GREEN RIDGE POWER LLC (70MW-C)	Wind	60136E	10127	20059	NA	NA	06W146C	42,629,000	0
GREEN RIDGE POWER LLC (10MW)	Wind	60125E	10127	20060	NA	NA	06W148	12,218,000	0
GREEN RIDGE POWER LLC (23.8MW)	Wind	60131E	10127	20061	NA	NA	16W011	41,820,000	0
GREEN RIDGE POWER LLC (110MW)	Wind	60130E	10127	20062	NA	NA	01W004	179,843,000	0
Total Claims from the Green Ridge Power LLC Facilities								752,512,000	0
HALSEY PH	Small Hydro	60043E	241	NA	H0217	HALSEY_6_UNIT	NONE	62,227,000	0
HAMILTON BRANCH PH	Small Hydro	60044E	242	NA	H0218	HMLTBR_6_UNITS	NONE	20,047,000	0
HAMMEKEN HYDRO	Small Hydro	60214E	NA	NA	NA	HAMMKN_6_UNITS	04H052	381,000	0
HAT CREEK 1 PH	Small Hydro	60045E	243	NA	H0221	HATCR1_7_UNIT	NONE	36,162,000	0
HAT CREEK 2 PH	Small Hydro	60046E	244	NA	H0222	HATCR2_7_UNIT	NONE	50,972,000	0
HAT CREEK HEREFORD RANCH	Small Hydro	60215E	NA	30159	NA	CTNWDP_1_QF	13H123	349,000	0
HAYPRESS HYDROELECTRIC (LWR)	Small Hydro	60157E	10253	NA	H0226	HAYPRS_6_UNIT 1	15H005	7,962,000	0
HAYPRESS HYDROELECTRIC (MDDL)	Small Hydro	60158E	NA	NA	H0226	HAYPRS_6_UNIT 2	15H006	8,226,000	0
HENWOOD ASSOCIATES	Small Hydro	60216E	NA	NA	NA	RIOOSO_1_QF	15H002	1,821,000	0

Procurement Reported to the Energy Commission (kWh)[9]	CEC-1304 Report Filings to the Energy Commission By Generators (MWh)[10]	EIA-906 and EIA-920 Forms Submitted to the Energy Information Administration By Generators (MWh)[11]	Data Reported to the Energy Commission's Existing Renewable Facilities Program (kWh)[12]	Data Reported to the Energy Commission's New Renewable Facilities Program (kWh)[13]	Data Reported to the Energy Commission's Wind Performance Report Summary (kWh)[14]	Generation Data Used For Comparison with Procurement (Largest Value From Columns L-P)[15]	Difference between Generation and Annual Procurement (kWH)[16]	Percentage Difference Between the Highest Generation Total and Annual Procurement[17]
17,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
97,522,000	92,544	97,522	No Data	No Data	No Data	97,522,000	-	0.0%
993,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
376,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
6,702,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
8,576,000	9,284	No Data	No Data	No Data	No Data	9,284,000	708,000	8.3%
348,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
2,291,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
99,538,000	105,338	No Data	104,690,222	No Data	No Data	105,338,000	5,800,000	5.8%
55,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
854,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
64,623,000	62,696	62,891	No Data	No Data	No Data	62,891,000	(1,732,000)	-2.7%
10,970,000	10,647	No Data	No Data	No Data	No Data	NA	NA	NA
17,399,000	17,283	No Data	No Data	No Data	No Data	17,283,000	(116,000)	-0.7%
11,813,000	12,304	No Data	No Data	No Data	No Data	12,304,000	491,000	4.2%
32,646,000	17,296	No Data	No Data	No Data	No Data	17,296,000	(15,350,000)	-47.0%
4,684,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
61,204,000	124,754	122,914	No Data	No Data	No Data	122,914,000	61,710,000	100.8%
62,165,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
594,499,000	599,313	594,584	No Data	No Data	No Data	599,313,000	4,814,000	0.8%
29,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
128,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
13,334,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
123,302,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
54,024,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
93,570,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
64,565,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
21,229,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
31,741,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
47,526,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
24,708,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
2,003,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
42,629,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
12,218,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
41,820,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
179,843,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
752,512,000	No Data	743,907	No Data	No Data	No Data	743,907,000	(8,605,000)	-1.1%
62,227,000	61,205	62,228	No Data	No Data	No Data	62,228,000	1,000	0.0%
20,047,000	20,056	20,045	No Data	No Data	No Data	20,056,000	9,000	0.0%
381,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
36,162,000	36,199	36,162	No Data	No Data	No Data	36,199,000	37,000	0.1%
50,972,000	51,617	50,973	No Data	No Data	No Data	51,617,000	645,000	1.3%
349,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
7,962,000	8,628	No Data	No Data	No Data	No Data	8,628,000	666,000	8.4%
8,226,000	8,554	No Data	No Data	No Data	No Data	8,554,000	328,000	4.0%
1,821,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA

Facility Name	Fuel Type	CEC RPS Certification Number[1]	EIA Number[2]	CEC ID Number[3]	CEC Plant ID Number[4]	ISO Resource ID Number[5]	QF ID Number[6]	Procurement Reported on CEC-RPS-Track (kWh)[7]	Procurement From Other Retail Sellers Reported to the Power Source Disclosure Program(kWh)[8]
HONEY LAKE POWER COMPANY	Biomass	60077E	10777	10040	E0041	HONEYL_6_UNIT	10P005	153,149,000	0
HUMBOLDT BAY MUNI WATER DIST	Small Hydro	60159E	10128	30005	H0241	LOWGAP_7_MATHEW	19H051	5,416,000	0
HYPOWER, INC.	Small Hydro	60160E	50350	NA	H0192	FORKBU_6_UNIT	10H013	38,096,000	0
INDIAN VLY HYDRO ELEC PTRN.	Small Hydro	60161E	50128	NA	H0576	INDVLY_1_UNITS	04H061	12,801,000	0
INSKIP PH	Small Hydro	60047E	248	NA	H0244	INSKIP_2_UNIT	NONE	51,112,000	0
INTERNATIONAL TURBINE RESEARCH	Wind	60139E	NA	20082	NA	INTTRB_6_UNIT	25W105	28,006,000	0
JACKSON VALLEY IRRIGATION DIST	Small Hydro	60217E	NA	NA	NA	TESLA_1_QF	16H095	487,000	0
JAMES B. PETER	Small Hydro	60218E	NA	30083	NA	TBLMTN_6_QF	10H059	122,000	0
JAMES CRANE HYDRO	Small Hydro	60219E	NA	NA	NA	TBLMTN_6_QF	10H090	5,000	0
JOHN NEERHOUT JR.	Small Hydro	60220E	NA	NA	NA	IGNACO_1_QF	04H134	151,000	0
KERN CANYON PH	Small Hydro	60048E	7911	NA	H0267	KRNCNY_6_UNIT	NONE	55,744,000	0
KERN HYDRO PARTNERS (OLCESE)	Small Hydro	60162E	50037	30122	H0367	RIOBRV_6_UNIT 1	25H073	30,151,000	0
KILARK PH	Small Hydro	60049E	253	NA	H0271	KILARC_2_UNIT 1	NONE	17,592,000	0
KINGS RIVER HYDRO CO.	Small Hydro	60221E	NA	30091, 30177	NA	MCCALL_1_QF	25H150	1,924,000	0
LANGERWERF DAIRY	Biogas	60191E	NA	NA	NA	TBLMTN_6_QF	10P058	262,000	0
LASSEN STATION HYDRO	Small Hydro	60222E	NA	30125	NA	TBLMTN_6_QF	10H002	2,450,000	0
LIME SADDLE PH	Small Hydro	60050E	255	NA	H0287	CLRKRD_6_LIMESD	NONE	5,925,000	0
LOFTON RANCH	Small Hydro	60223E	NA	30013	NA	TBLMTN_6_QF	13H120	959,000	0
MADERA CANAL (1174 + 84)	Small Hydro	60224E	NA	30118	NA	BORDEN_2_QF	25H040	1,311,000	0
MADERA CANAL (1923)	Small Hydro	60225E	NA	30120	NA	BORDEN_2_QF	25H042	1,250,000	0
MADERA CANAL STATION 1302	Small Hydro	60226E	NA	30119	NA	BORDEN_2_QF	25H041	713,000	0
MADERA CHOWCHILLA	Small Hydro	60163E	50322	30117	H0310	STOREY_7_MDRCHW	25H036	4,100,000	0
MADERA POWER	Biomass	60273E	NA	10043	NA	CAPMAP_1_UNIT 1	33R006	136,584,000	0
MALACHA HYDRO LTD. PARTNERSHIP	Small Hydro	60164E	10458	30096	H0311	MALCHQ_7_UNIT 1	13H047	63,844,000	0
MEGA HYDRO #1 (CLOVER CREEK)	Small Hydro	60227E	NA	30102	NA	CLOVER_2_UNIT	13H125	4,163,000	0
MEGA HYDRO (GOOSE VALLEY RANCH)	Small Hydro	60228E	NA	NA	NA	CTNWDP_1_QF	13H122	514,000	0
MEGA RENEWABLES (BIDWELL DITCH)	Small Hydro	60165E	10880	30100	H0323	HATLOS_6_UNIT 1	13H017	11,725,000	0
MEGA RENEWABLES (HATCHET CRK)	Small Hydro	60166E	10882	30099	H0321	COVERD_7_HATCHT	13H015	18,088,000	0
MEGA RENEWABLES (ROARING CRK)	Small Hydro	60167E	10881	30098	H0322	COVERD_7_ROARNG	13H014	5,360,000	0
MEGA RENEWABLES (SILVER SPRINGS)	Small Hydro	60229E	NA	30101	NA	HATLOS_6_UNIT 4	13H036	2,303,000	0
MENDOTA BIOMASS POWER LTD	Biomass	60078E	10837	10035	E0052	MENBIO_6_UNIT	25C013	161,443,000	0
MERCED FALLS PH	Small Hydro	60051E	258	NA	H0324	MERCFL_6_UNIT	NONE	11,487,000	0
MERCED ID (PARKER)	Small Hydro	60168E	428	NA	H0325	CRESSY_1_PARKER	25H185	6,791,000	0
MID (McSWAIN)	Small Hydro	60263E	410	NA	H0316	MCSWAN_6_UNITS	NONE	26,132,000	0
MILL & SULPHUR CREEK	Small Hydro	60230E	NA	30124	NA	IGNACO_1_QF	19H006	1,611,000	0
MONTEREY COUNTY WATER RES AGENCY	Small Hydro	60169E	50352	30126	H0341	MOSSLD_1_QF	18H034	6,602,000	0
MONTEREY REGIONAL WASTE Mgt Dist	Biogas	60107E	10748	30072	E0135	CASTVL_7_MRWMD	18P059	4,339,000	0
MONTEREY REGIONAL WATER	Biogas	60108E	54951	NA	E0055	MOSSLD_1_QF	18C001	129,000	0
MWD - ETIWANDA	Small Hydro	60271E	745	NA	H0174	ETIWND_6_MWDETI	33R008	96,682,000	0
NARROWS 1 PH	Small Hydro	60052E	262	NA	H0348	NAROW1_2_UNIT	NONE	15,448,000	0
NELSON CREEK POWER INC.	Small Hydro	60170E	50223	30010	H0349	PIT5_7_NELSON	13H042	2,532,000	0
NEVADA POWER AUTHORITY	Small Hydro	60171E	50546	30114	H0351	BOWMN_6_UNIT	15H015	11,527,000	0
NEWCASTLE PH	Small Hydro	60053E	632	NA	H0357	NWCSTL_7_UNIT 1	NONE	32,616,000	0
NID (DUTCH FLAT #2)	Small Hydro	60264E	413	NA	H0157	DUTCH2_7_UNIT 1	NONE	80,150,000	0
NID (ROLLINS)	Small Hydro	60265E	34	NA	H0424	ROLLIN_6_UNIT	NONE	46,247,000	0
NID/COMBIE NORTH	Small Hydro	60231E	NA		NA	RIOOSO_1_QF	15H013	398,000	0

Procurement Reported to the Energy Commission (kWh)[9]	CEC-1304 Report Filings to the Energy Commission By Generators (MWh)[10]	EIA-906 and EIA-920 Forms Submitted to the Energy Information Administration By Generators (MWh)[11]	Data Reported to the Energy Commission's Existing Renewable Facilities Program (kWh)[12]	Data Reported to the Energy Commission's New Renewable Facilities Program (kWh)[13]	Data Reported to the Energy Commission's Wind Performance Report Summary (kWh)[14]	Generation Data Used For Comparison with Procurement (Largest Value From Columns L-P)[15]	Difference between Generation and Annual Procurement (kWH)[16]	Percentage Difference Between the Highest Generation Total and Annual Procurement[17]
153,149,000	160,628	160,188	69,551,854	No Data	No Data	160,628,000	7,479,000	4.9%
5,416,000	4,590	No Data	No Data	No Data	No Data	4,590,000	(826,000)	-15.3%
38,096,000	39,271	No Data	No Data	No Data	No Data	39,271,000	1,175,000	3.1%
12,801,000	0	No Data	No Data	No Data	No Data	NA	NA	NA
51,112,000	51,116	51,113	No Data	No Data	No Data	51,116,000	4,000	0.0%
28,006,000	No Data	No Data	No Data	No Data	28,845,773	28,845,773	839,773	3.0%
487,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
122,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
5,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
151,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
55,744,000	55,484	55,745	No Data	No Data	No Data	55,745,000	1,000	0.0%
30,151,000	31,017	No Data	No Data	No Data	No Data	31,017,000	866,000	2.9%
17,592,000	17,840	17,591	No Data	No Data	No Data	17,840,000	248,000	1.4%
1,924,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
262,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
2,450,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
5,925,000	5,916	5,927	No Data	No Data	No Data	5,927,000	2,000	0.0%
959,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
1,311,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
1,250,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
713,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
4,100,000	6,505	No Data	No Data	No Data	No Data	6,505,000	2,405,000	58.7%
136,584,000	No Data	No Data	138,115,564	No Data	No Data	138,115,564	1,531,564	1.1%
63,844,000	66,647	No Data	No Data	No Data	No Data	66,647,000	2,803,000	4.4%
4,163,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
514,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
11,725,000	12,208	No Data	No Data	No Data	No Data	12,208,000	483,000	4.1%
18,088,000	18,438	No Data	No Data	No Data	No Data	18,438,000	350,000	1.9%
5,360,000	5,458	No Data	No Data	No Data	No Data	5,458,000	98,000	1.8%
2,303,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
161,443,000	162,733	No Data	83,833,771	No Data	No Data	162,733,000	1,290,000	0.8%
11,487,000	11,356	11,486	No Data	No Data	No Data	11,486,000	(1,000)	0.0%
6,791,000	0	No Data	No Data	No Data	No Data	NA	NA	NA
26,132,000	26,132	No Data	No Data	No Data	No Data	26,132,000	-	0.0%
1,611,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
6,602,000	6,702	No Data	No Data	No Data	No Data	6,702,000	100,000	1.5%
4,339,000	22,432	No Data	No Data	No Data	No Data	NA	NA	NA
129,000	14,517	No Data	No Data	No Data	No Data	14,517,000	14,388,000	11153.5%
96,682,000	99,155	No Data	No Data	No Data	No Data	99,155,000	2,473,000	2.6%
15,448,000	15,180	15,446	No Data	No Data	No Data	15,446,000	(2,000)	0.0%
2,532,000	2,631	No Data	No Data	No Data	No Data	2,631,000	99,000	3.9%
11,527,000	11,656	No Data	No Data	No Data	No Data	11,656,000	129,000	1.1%
32,616,000	32,931	32,615	No Data	No Data	No Data	32,931,000	315,000	1.0%
80,150,000	80,150	No Data	No Data	No Data	No Data	80,150,000	-	0.0%
46,247,000	46,247	No Data	No Data	No Data	No Data	46,247,000	-	0.0%
398,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA

Facility Name	Fuel Type	CEC RPS Certification Number[1]	EIA Number[2]	CEC ID Number[3]	CEC Plant ID Number[4]	ISO Resource ID Number[5]	QF ID Number[6]	Procurement Reported on CEC-RPS-Track (kWh)[7]	Procurement From Other Retail Sellers Reported to the Power Source Disclosure Program(kWh)[8]
NID/COMBIE SOUTH	Small Hydro	60172E	846	30113	H0054	RIOOSO_1_QF	15H054	5,023,000	0
NID/SCOTTS FLAT HYDRO	Small Hydro	60173E	839	30116	H0347	RIOOSO_1_QF	15H001	4,179,000	0
NORMAN ROSS BURGESS	Small Hydro	60174E	54308	30006	H0512	FULTON_1_QF	19H004	5,881,000	0
NORTHWIND ENERGY INC.	Wind	60140E	NA	20070	NA	ALTMID_2_UNIT 2	01W095	21,085,000	0
OAK FLAT PH	Small Hydro	60276E	626	NA	H0364	CARBOU_6_OAKFLT	NONE	6,271,000	0
OGDEN POWER PACIFIC, INC. (BURNEY)	Biomass	60079E	54219	10031	E0006	MTNPWR_7_BURNEY	13P118	77,371,000	0
OGDEN POWER PACIFIC, INC. (CS)	Biomass	60080E	NA	10029	E0100	ULTPCH_1_UNIT 1	16P002	130,397,000	0
OGDEN POWER PACIFIC, INC. (MT LSN)	Biomass	60081E	54468	10032	E0056	MTNLAS_6_UNIT	10P001	73,117,000	0
OGDEN POWER PACIFIC, INC. (OROVILLE)	Biomass	60082E	54469	10030	E0064	PACORO_6_UNIT	12P001	128,618,000	0
OLSEN POWER PARTNERS, INC.	Small Hydro	60175E	50180	NA	H0371	OLSEN_2_UNIT	13H024	11,138,000	0
ORANGE COVE IRRIGATION DIST.	Small Hydro	60232E	NA	30090	NA	MCCALL_1_QF	25H149	3,196,000	0
OWID (KELLY RIDGE)	Small Hydro	60266E	418	NA	H0263	KELYRG_6_UNIT	NONE	83,799,000	0
OWID (SLY CREEK)	Small Hydro	60267E	776	NA	H0484	SLYCRK_1_UNIT 1	NONE	33,964,000	0
PACIFIC LUMBER CO.	Biomass	60083E	50049	10020	E0063	PACLUM_6_UNIT	19C010	162,026,000	0
PALO ALTO LANDFILL GAS CORP	Biogas	60109E	54252	NA	E0146	PALALT_1_LNDFLL	08P024	888,000	0
PAN PACIFIC (WEBER FLAT)	Small Hydro	60233E	NA	30080	NA	WEBRFL_1_UNIT 1	13H128	649,000	0
PATTERSON PASS WINDFARM LLC	Wind	60141E	NA	20030	NA	LFC 51_2_UNIT 1	16W028	44,173,000	0
PCWA (FRENCH MEADOWS)	Small Hydro	60268E	424	NA	H0195	FMEADO_7_UNIT	NONE	46,741,000	0
PCWA (OXBOW)	Small Hydro	60269E	426	NA	H0374	OXBOW_6_DRUM	NONE	28,710,000	0
PHOENIX PH	Small Hydro	60054E	264	NA	H0383	PHOENX_1_UNIT	NONE	10,498,000	0
PLACER COUNTY WATER AGENCY	Small Hydro	60234E	NA	30001	NA	RIOOSO_1_QF	15H059	3,150,000	0
POTTER VALLEY PH	Small Hydro	60055E	274	NA	H0401	POTTER_6_UNITS	NONE	43,915,000	0
RIO BRAVO FRESNO	Biomass	60084E	10767	10039	E0093	ULTPFR_1_UNIT 1	25P026	169,683,000	0
RIO BRAVO ROCKLIN	Biomass	60085E	10772	10038	E0099	ULTRCK_2_UNIT	15P028	165,945,000	0
ROBERT W. LEE	Small Hydro	60235E	NA	NA	NA	CTNWDP_1_QF	13H127	103,000	0
ROBIN WILLIAMS SOLAR POWER GEN	Solar	60255E	NA	NA	NA	IGNACO_1_QF	04S142	4,000	0
ROCK CREEK LIMITED PARTNERSHIP	Small Hydro	60176E	50892	30020	H0422	PLACVL_1_RCKCRE	06H011	1,022,000	0
ROCK CREEK WATER DISTRICT	Small Hydro	60236E	NA	NA	NA	TESLA_1_QF	16H033	752,000	0
SAN JOAQUIN 1A PH	Small Hydro	60056E	278	NA	NA	NA	NONE	993,000	0
SAN JOAQUIN 2 PH	Small Hydro	60057E	276	NA	H0449	CRNEVL_6_SJQN 2	NONE	8,813,000	0
SAN JOAQUIN 3 PH	Small Hydro	60058E	277	NA	H0450	CRNEVL_6_SJQN 3	NONE	11,493,000	0
SANTA CLARA VALLEY WATER DIST.	Small Hydro	60237E	NA	NA	NA	METCLF_1_QF	08H013	428,000	0
SCHAADS HYDRO	Small Hydro	60238E	NA	30132	NA	TESLA_1_QF	16H030	539,000	0
SEAWEST ENERGY (ALTECH)	Wind	60142E	NA	20016	NA	SEAWST_6_LAPOS	01W011	5,399,000	0
SEAWEST ENERGY (CWES)	Wind	60143E	NA	20018	NA	SEAWST_6_LAPOS	01W007	1,406,000	0
SEAWEST ENERGY (SEAWEST)	Wind	60144E	NA	20017	NA	SEAWST_6_LAPOS	01W006	58,000	0
SEAWEST ENERGY (TAXVEST)	Wind	60145E	NA	20015	NA	SEAWST_6_LAPOS	01W015	10,012,000	0
SEAWEST ENERGY (VIKING)	Wind	60146E	NA	20013	NA	SEAWST_6_LAPOS	01W014	1,461,000	0
SEAWEST ENERGY (WESTERN)	Wind	60147E	NA	20014	NA	SEAWST_6_LAPOS	01W012	844,000	0
SHAMROCK UTILITIES (CEDAR FLAT)	Small Hydro	60239E	NA	NA	NA	CEDRFL_1_BIGCRK	19H048	997,000	0
SHAMROCK UTILITIES (CLOVER LEAF)	Small Hydro	60240E	NA	NA	NA	FULTON_1_QF	13H012	677,000	0
SID (MONTICELLO)	Small Hydro	60270E	7646	NA	H0343	MONTPH_7_UNITS	NONE	56,718,000	0
SIERRA ENERGY	Small Hydro	60242E	NA	30085	NA	RIOOSO_1_QF	15H055	166,000	0
SIERRA PACIFIC INDUSTRY (ANDERSON)	Biomass	60086E	55049	10010	E0174	SPIAND_1_UNIT	13P163	7,639,000	0
SIERRA PACIFIC INDUSTRY (BURNEY)	Biomass	60087E	50110	10015	E0078	SPBURN_2_UNIT 1	13C049	70,452,000	48,122,000
SIERRA PACIFIC INDUSTRY (LINCOLN)	Biomass	60088E	10144	10014	E0004	SPILI_2_UNIT 1	12C008	25,953,000	9,174,000

Procurement Reported to the Energy Commission (kWh)[9]	CEC-1304 Report Filings to the Energy Commission By Generators (MWh)[10]	EIA-906 and EIA-920 Forms Submitted to the Energy Information Administration By Generators (MWh)[11]	Data Reported to the Energy Commission's Existing Renewable Facilities Program (kWh)[12]	Data Reported to the Energy Commission's New Renewable Facilities Program (kWh)[13]	Data Reported to the Energy Commission's Wind Performance Report Summary (kWh)[14]	Generation Data Used For Comparison with Procurement (Largest Value From Columns L-P)[15]	Difference between Generation and Annual Procurement (kWH)[16]	Percentage Difference Between the Highest Generation Total and Annual Procurement[17]
5,023,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
4,179,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
5,881,000	5,838	No Data	No Data	No Data	No Data	5,838,000	(43,000)	-0.7%
21,085,000	No Data	No Data	No Data	No Data	20,866,762	20,866,762	(218,238)	-1.0%
6,271,000	No Data	6,272	No Data	No Data	No Data	6,272,000	1,000	0.0%
77,371,000	80,673	No Data	80,672,691	No Data	No Data	80,673,000	3,302,000	4.3%
130,397,000	132,885	No Data	122,219,460	No Data	No Data	132,885,000	2,488,000	1.9%
73,117,000	76,189	No Data	76,273,578	No Data	No Data	76,273,578	3,156,578	4.3%
128,618,000	133,303	No Data	133,340,346	No Data	No Data	133,340,346	4,722,346	3.7%
11,138,000	11,489	No Data	No Data	No Data	No Data	NA	NA	NA
3,196,000		No Data	No Data	No Data	No Data	NA	NA	NA
83,799,000	84,304	No Data	No Data	No Data	No Data	84,304,000	505,000	0.6%
33,964,000	33,965	No Data	No Data	No Data	No Data	33,965,000	1,000	0.0%
162,026,000	209,680	228,338	163,798,056	No Data	No Data	228,338,213	66,312,213	40.9%
888,000	883	No Data	No Data	No Data	No Data	883,000	(5,000)	-0.6%
649,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
44,173,000	No Data	No Data	No Data	No Data	44,171,197	44,171,197	(1,803)	0.0%
46,741,000	46,976	No Data	No Data	No Data	No Data	46,976,000	235,000	0.5%
28,710,000	0	No Data	No Data	No Data	No Data	NA	NA	NA
10,498,000	10,351	10,498	No Data	No Data	No Data	10,498,000	-	0.0%
3,150,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
43,915,000	43,710	43,915	No Data	No Data	No Data	43,915,000	-	0.0%
169,683,000	No Data	No Data	169,172,998	No Data	No Data	169,172,998	(510,002)	-0.3%
165,945,000	167,756	No Data	167,865,402	No Data	No Data	167,865,402	1,920,402	1.2%
103,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
4,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
1,022,000	1,031	No Data	No Data	No Data	No Data	1,031,000	9,000	0.9%
752,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
993,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
8,813,000	8,710	8,814	No Data	No Data	No Data	8,814,000	1,000	0.0%
11,493,000	11,458	11,494	No Data	No Data	No Data	11,494,000	1,000	0.0%
428,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
539,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
5,399,000	No Data	No Data	No Data	No Data	9,447,000	9,447,000	4,048,000	75.0%
1,406,000	No Data	No Data	No Data	No Data	1,525,000	1,525,000	119,000	8.5%
58,000	No Data	No Data	No Data	No Data	12,067,292	12,067,292	12,009,292	20705.7%
10,012,000	No Data	No Data	No Data	No Data	21,265,000	21,265,000	11,253,000	112.4%
1,461,000	No Data	No Data	No Data	No Data	3,075,000	3,075,000	1,614,000	110.5%
844,000	No Data	No Data	No Data	No Data	3,990,000	3,990,000	3,146,000	372.7%
997,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
677,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
56,718,000	54,657	No Data	No Data	No Data	No Data	54,657,000	(2,061,000)	-3.6%
166,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
7,639,000	34,570	No Data	No Data	No Data	No Data	34,570,000	26,931,000	352.5%
118,574,000	94,103	No Data	70,596,213	No Data	No Data	94,103,000	(24,471,000)	-20.6%
35,127,000	61,308	No Data	26,024,452	No Data	No Data	61,308,000	26,181,000	74.5%

Facility Name	Fuel Type	CEC RPS Certification Number[1]	EIA Number[2]	CEC ID Number[3]	CEC Plant ID Number[4]	ISO Resource ID Number[5]	QF ID Number[6]	Procurement Reported on CEC-RPS-Track (kWh)[7]	Procurement From Other Retail Sellers Reported to the Power Source Disclosure Program(kWh)[8]
SIERRA PACIFIC INDUSTRY (QUINCY)	Biomass	60089E	50112	10013	E0081	SPQUIN_6_SRPCQU	10C018	135,555,000	0
SIERRA PACIFIC INDUSTRY (SUSANVILLE)	Biomass	60090E	50113	10012	E0082	SPSUSN_6_UNIT	10C009	19,203,000	0
SIERRA POWER	Biomass	60274E	NA	10036	NA	VESTAL_6_WDFIRE	33R007	61,181,000	0
SNOW MNTN HYDRO LLC (LOST CRK-I)	Small Hydro	60179E	10708	30071	H0238	HATLOS_6_UNIT 2	13H057	5,500,000	0
SNOW MNTN HYDRO LLC (LOST CRK-II)	Small Hydro	60180E	NA	30070	H0239	HATLOS_6_UNIT 3	13H041	2,602,000	0
SNOW MNTN HYDRO LLC (PONDEROSA)	Small Hydro	60181E	10709	NA	H0237	CTNWDP_1_QF	13H035	2,163,000	0
SNOW MOUNTAIN HYDRO LLC (BURNEY)	Small Hydro	60177E	10706	NA	H0240	CTNWDP_1_QF	13H016	5,985,000	0
SNOW MOUNTAIN HYDRO LLC (COVE)	Small Hydro	60178E	10707	NA	H0236	COVERD_7_HILAND	13H013	14,057,000	0
SONOMA COUNTY WATER AGENCY	Small Hydro	60182E	54261	NA	H0485	GYSRVL_7_WSPRNG	04H009	14,384,000	0
SOUTH PH	Small Hydro	60059E	280	NA	H0486	SOUTH_2_UNIT	NONE	53,555,000	0
SOUTH S J ID (FRANKENHEIMER)	Small Hydro	60183E	50219	NA	H0488	COTTLE_2_FRNKNH	16H094	16,369,000	0
SOUTH SAN JOAQUIN ID (WOODWARD)	Small Hydro	60184E	NA	NA	H0489	VLYHOM_7_SSJID	16H097	2,690,000	0
SOUTH SUTTER WATER	Small Hydro	60243E	NA	NA	NA	TBLMTN_6_QF	12H004	636,000	0
SPAULDING 1 PH	Small Hydro	60060E	281	NA	H0490	SPAULD_6_UNIT12	NONE	32,137,000	0
SPAULDING 2 PH	Small Hydro	60061E	282	NA	H0491	SPAULD_6_UNIT12	NONE	9,195,000	0
SPAULDING 3 PH	Small Hydro	60062E	283	NA	H0492	SPAULD_6_UNIT 3	NONE	29,231,000	0
SPRING GAP PH	Small Hydro	60063E	284	NA	H0495	SPRGAP_1_UNIT 1	NONE	37,514,000	0
STANISLAUS WASTE ENERGY CO.	Municipal Solid V	60110E	50632	30115	E0150	STNRES_1_UNIT	16P052	129,547,000	0
STEVE & BONNIE TETRICK	Small Hydro	60244E	NA	NA	NA	TBLMTN_6_QF	13H130	322,000	0
STS HYDROPOWER LTD. (KANAKA)	Small Hydro	60185E	54653	30034	H0427	KANAKA_1_UNIT	12H007	1,280,000	0
STS HYDROPOWER LTD. (KEKAWAKA)	Small Hydro	60186E	54654	30035	H0428	KEKAWK_6_UNIT	13H039	7,443,000	0
SUTTER'S MILL	Small Hydro	60246E	NA	30121	NA	TBLMTN_6_QF	13H006	804,000	0
SWISS AMERICA	Small Hydro	60247E	NA	NA	NA	RIOOSO_1_QF	15H069	351,000	0
T & G HYDRO	Small Hydro	60248E	NA	30134	NA	TBLMTN_6_QF	13H004	630,000	0
THERMAL ENERGY DEVELOPMENT CORP.	Biomass	60091E	10502	10002	E0096	THMENG_1_UNIT 1	16P054	132,768,000	0
TKO POWER (SOUTH FORK BEAR)	Small Hydro	60187E	50156	30063	H0507	TKOPWR_2_UNIT	13H040	4,306,000	0
TOADTOWN PH	Small Hydro	60064E	714	NA	H0518	TOADTW_6_UNIT	NONE	5,815,000	0
TOM BENNINGHOVEN	Small Hydro	60249E	NA	NA	NA	HUMBSB_1_QF	19H055	66,000	0
TRES VAQUEROS WIND FARMS, LLC	Wind	60148E	NA	20081	NA	JVENTR_2_UNIT 1	01W094	41,362,000	0
TRI-DAM (BEARDSLEY)	Small Hydro	60072A	414	NA	H0022	BEARDS_7_UNIT 1	33R010	44,005,000	0
TRI-DAM (TULLOCH)	Small Hydro	60071A	416	NA	H0527	TULLOCH_7_UNITS	33R011	89,270,000	0
TRI-DAM AUTHORITY (SANDBAR)	Small Hydro	60188E	50400	30053	H0519	SNDBAR_7_UNIT 1	16H003	86,587,000	0
TULE RIVER PH	Small Hydro	60065E	289	NA	H0523	SPRGVL_2_TULE	NONE	17,084,000	0
VOLTA 1 PH	Small Hydro	60066E	290	NA	H0545	VOLTA_2_UNIT 1	NONE	50,290,000	0
VOLTA 2 PH	Small Hydro	60067E	180	NA	H0546	VOLTA_2_UNIT 2	NONE	5,940,000	0
WADHAM ENERGY LIMITED PARTNERSHIP	Biomass	60092E	50293	10024	E0102	WADHAM_6_UNIT	12P018	108,155,000	0
WATER WHEEL RANCH	Small Hydro	60250E	NA	NA	NA	CTNWDP_1_QF	13H124	2,963,000	0
WEST POINT PH	Small Hydro	60068E	291	NA	H0558	WESTPT_2_UNIT	NONE	88,424,000	0
WHEELABRATOR CO UNIT 4	Biomass	60275E	NA	NA	E0086	WSENERGY_1_UNIT 4	33R001	26,183,000	0
WHEELABRATOR SHASTA ENERGY CO	Biomass	60094E	50881	10018	E0086	WSENGY_1_UNIT 1	13P045	383,696,000	0
WINEAGLE DEVELOPERS 1	Geothermal	60193E	NA	NA	NA	WINAMD_6_UNIT 1	10G011	2,846,000	0
WISE 1 PH	Small Hydro	60069E	292	NA	H0569	WISE_1_UNIT 1	NONE	87,192,000	0
WISE 2 PH	Small Hydro	60070E	292	NA	H0569	WISE_1_UNIT 2	NONE	6,392,000	0
WOODLAND BIOMASS POWER, LTD.	Biomass	60095E	10836	10033	E0105	BIOMAS_1_UNIT 1	06P022	176,086,000	0
YOUTH WITH A MISSION/SPGS OF LV WAT	Small Hydro	60251E	NA	NA	NA	TBLMTN_6_QF	10H060	362,000	0
YUBA COUNTY WATER	Small Hydro	60189E	7507	30093	H0362	RIOOSO_1_QF	12H010	2,416,000	0

Procurement Reported to the Energy Commission (kWh)[9]	CEC-1304 Report Filings to the Energy Commission By Generators (MWh)[10]	EIA-906 and EIA-920 Forms Submitted to the Energy Information Administration By Generators (MWh)[11]	Data Reported to the Energy Commission's Existing Renewable Facilities Program (kWh)[12]	Data Reported to the Energy Commission's New Renewable Facilities Program (kWh)[13]	Data Reported to the Energy Commission's Wind Performance Report Summary (kWh)[14]	Generation Data Used For Comparison with Procurement (Largest Value From Columns L-P)[15]	Difference between Generation and Annual Procurement (kWH)[16]	Percentage Difference Between the Highest Generation Total and Annual Procurement[17]
135,555,000	140,533	189,470	135,935,115	No Data	No Data	140,533,000	4,978,000	3.7%
19,203,000	26,716	No Data	19,279,829	No Data	No Data	26,716,000	7,513,000	39.1%
61,181,000		No Data	61,903,390	No Data	No Data	61,903,390	722,390	1.2%
5,500,000	5,727	No Data	No Data	No Data	No Data	5,727,000	227,000	4.1%
2,602,000		No Data	No Data	No Data	No Data	NA	NA	NA
2,163,000	2,168	No Data	No Data	No Data	No Data	2,168,000	5,000	0.2%
5,985,000	6,010	No Data	No Data	No Data	No Data	6,010,000	25,000	0.4%
14,057,000	14,869	No Data	No Data	No Data	No Data	14,869,000	812,000	5.8%
14,384,000	14,104	No Data	No Data	No Data	No Data	14,104,000	(280,000)	-1.9%
53,555,000	53,592	53,556	No Data	No Data	No Data	53,592,000	37,000	0.1%
16,369,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
2,690,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
636,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
32,137,000	26,793	32,138	No Data	No Data	No Data	32,138,000	1,000	0.0%
9,195,000	14,491	9,194	No Data	No Data	No Data	14,491,000	5,296,000	57.6%
29,231,000	30,050	29,231	No Data	No Data	No Data	30,050,000	819,000	2.8%
37,514,000	37,611	37,513	No Data	No Data	No Data	37,611,000	97,000	0.3%
129,547,000	127,336	No Data	No Data	No Data	No Data	127,336,000	(2,211,000)	-1.7%
322,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
1,280,000	1,311	No Data	No Data	No Data	No Data	1,311,000	31,000	2.4%
7,443,000	8,346	No Data	No Data	No Data	No Data	8,346,000	903,000	12.1%
804,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
351,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
630,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
132,768,000	133,405	No Data	132,911,907	No Data	No Data	133,405,000	637,000	0.5%
4,306,000	4,490	No Data	No Data	No Data	No Data	4,490,000	184,000	4.3%
5,815,000	5,801	5,192	No Data	No Data	No Data	5,801,000	(14,000)	-0.2%
66,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
41,362,000	No Data	No Data	No Data	No Data	42,353,760	42,353,760	991,760	2.4%
44,005,000	44,166	No Data	No Data	No Data	No Data	44,166,000	161,000	0.4%
89,270,000	89,267	No Data	No Data	No Data	No Data	89,267,000	(3,000)	0.0%
86,587,000	88,503	88,503	No Data	No Data	No Data	88,503,000	1,916,000	2.2%
17,084,000	17,318	17,083	No Data	No Data	No Data	17,318,000	234,000	1.4%
50,290,000	50,296	50,290	No Data	No Data	No Data	50,296,000	6,000	0.0%
5,940,000	5,934	No Data	No Data	No Data	No Data	5,934,000	(6,000)	-0.1%
108,155,000	107,722	No Data	41,723,514	No Data	No Data	107,722,000	(433,000)	-0.4%
2,963,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
88,424,000	88,705	88,424	No Data	No Data	No Data	88,705,000	281,000	0.3%
26,183,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
383,696,000	407,787	408,655	384,563,323	No Data	No Data	408,655,000	24,959,000	6.5%
2,846,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
87,192,000	87,250	93,583	No Data	No Data	No Data	93,583,000	6,391,000	7.3%
6,392,000	6,386	93,583	No Data	No Data	No Data	93,583,000	87,191,000	1364.1%
176,086,000	173,520	No Data	173,532,288	No Data	No Data	173,532,288	(2,553,712)	-1.5%
362,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
2,416,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA

Facility Name	Fuel Type	CEC RPS Certification Number[1]	EIA Number[2]	CEC ID Number[3]	CEC Plant ID Number[4]	ISO Resource ID Number[5]	QF ID Number[6]	Procurement Reported on CEC-RPS-Track (kWh)[7]	Procurement From Other Retail Sellers Reported to the Power Source Disclosure Program(kWh)[8]
YUBA COUNTY WATER AGENCY	Small Hydro	60252E	NA	30094	NA	TBLMTN_6_QF	12H006	1,112,000	0
ZOND WINDSYSTEMS INC.	Wind	60149E	NA	20044	NA	ZOND_6_UNIT	01W017	36,288,000	0

[1] The California Energy Commission assigns this RPS Certification number to the generating facility.

[2] The Energy Information Administration assigns this number to generating facilities.

[3] The Energy Commission's Existing Renewable Facilities and New Renewable Facilities Programs assign this number to eligible renewable generating facilities.

[4] The Energy Commission's Cartography and Electricity Analysis Offices assign this identification number.

[5] The California ISO identification number for generating facilities.

[6] The Investor-Owned Utilties' identification number for Qualifying Facilities from which they procure generation.

[7] The procurement shown in this column is the amount PG&E reported to the Energy Commission in its RPS-Track Filing. Staff aggregated PG&E's procurement from the Altamont Power LLC and Green Ridge Power LLC facilities was included because the only available generation data for these facilities was aggregated data from the Energy Information Administration.

[8] This column lists claims from specific purchases from other retail providers for the same facilities, if applicable. These claims were reported to the the Energy Commission's Power Source Disclosure Program, which collects Annual Reports from retail sellers of electricity that compare the claims made on their Power Content Labels with the generation that they procured. The Power Source Disclosure Program received and reviewed Annual Reports from 26 retail providers and 2 electricity wholesalers for 2004. Data from the Annual Reports included procurement from 739 facilities, including 449 that were certified as RPS-eligible or were “registered”.

[9] The figures reported in this column are the total specific purchases reported on the CEC-RPS-Track form and on Power Source Disclosure Program Annual Report.

Procurement Reported to the Energy Commission (kWh)[9]	CEC-1304 Report Filings to the Energy Commission By Generators (MWh)[10]	EIA-906 and EIA-920 Forms Submitted to the Energy Information Administration By Generators (MWh)[11]	Data Reported to the Energy Commission's Existing Renewable Facilities Program (kWh)[12]	Data Reported to the Energy Commission's New Renewable Facilities Program (kWh)[13]	Data Reported to the Energy Commission's Wind Performance Report Summary (kWh)[14]	Generation Data Used For Comparison with Procurement (Largest Value From Columns L-P)[15]	Difference between Generation and Annual Procurement (kWH)[16]	Percentage Difference Between the Highest Generation Total and Annual Procurement[17]
1,112,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
36,288,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA

[10] The California Code of Regulations, Title 20, Division 2, Chapter 3, Section 1304(a) requires electric generating facilities with a nameplate capacity from 1 MW to less than 10 MW to provide power plant identification, generation, and fuel use data once a year, while plants that are 10 MW or larger are required to report this information quarterly.

[11] Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275) requires that all grid connected generating facilities of 1 MW or higher are required to report monthly and annual electric generation and fuel consumption information to the Energy Information Administration .

[12] The Energy Commission's Existing Renewable Facilities Program provides production incentives to in-state, non-utility biomass, solar thermal, and wind generating facilities that were online before September 26, 1996. To receive funding, generating facilities must submit monthly invoices that document the facility's generation.

[13] The Energy Commission's New Renewable Facilities Program provides production incentives to renewable facilities that were newly constructed or repowered on or after September 26, 1996. To qualify for payment, generators must submit monthly invoices that document the facility's generation.

[14] The Energy Commission's Public Interest Energy Research (PIER) Program oversees the Wind Performance Report Summary (WPRS). Since 1985, operators of wind plants with a capacity greater than 100 kW that sell electricity to a power purchaser have submitted the annual generation output of their facilities to the Energy Commission. Wind generation data from 1985 through 2003 is available on the electronic Wind Performance Reporting System at http://wprs.ucdavis.edu/; however, 2004 wind generation data used for this report has not yet been posted on that Web site.

[15] The generation data in this column is the highest amount given in the data sources that staff reviewed (as shown in columns L-Q).

[16] The totals that appear in this column represent the difference between the data source with the highest generation total and the annual procurement.

[17] This is the percentage difference between the highest generation total and the annual procurement.

PG&E's Progress Toward the 2003 Incremental Procurement Target

Procurement From RPS-Eligible Facilities that are Either New or Repowered or Have New Contracts with PG&E

Generating Facility	Fuel Type	Eligible Procurement (in kWh)	Total Procurement (in kWh)
CALPINE GEYSERS #13	Geothermal	71,664,845	454,350,000 [1]
CALPINE GEYSERS #20	Geothermal	128,411,128	267,328,000 [2]
COMMUNITY RENEWAL ENERGY SERVICE	Biomass	18,576,000	18,576,000
MADERA POWER	Biomass	40,994,000	40,994,000
SIERRA POWER	Biomass	11,767,000	11,767,000
WHEELABRATOR CO	Biomass	24,523,000	24,523,000
Total Procurement		**295,935,973**	**817,538,000**

		(in kWh)
2003 Total Eligible Procurement From RPS-Eligible Facilities that are Either New or Repowered or Have New Contracts with PG&E		**295,935,973**
2003 Additional Procurement that Qualifies Towards the IPT (Excess Incremental Procurement From Previous Years)		**0**
2003 Total Incremental Procurement		**295,935,973**
2003 Incremental Procurement Target (IPT)		**753,200,000**
Difference Between 2003 Total Incremental Procurement and IPT		**(457,264,027)**
Percent Difference Between 2003 Total Incremental Procurement and IPT		**-60.7%**

[1] Of the 454,350,000 kWh procured by PG&E from Calpine Geysers #13 in 2003, 71,664,845 is counted as incremental geothermal generation while the remaining 382,685,155 kWh is counted towards PG&E's baseline.

[2] Of the 267,328,000 kWh procured by PG&E by Calpine Geysers #20 in 2003, 128,411,128 kWh is counted as incremental geothermal procurement while the remaining 138,916,872 kWh is counted towards PG&E's baseline.

PG&E's Progress Toward the 2004 Incremental Procurement Target

Procurement From RPS-Eligible Facilities that are Either New or Repowered or Have New Contracts with PG&E

Generating Facility	Fuel Type	Eligible Procurement (in kWh)	Total Procurement (in kWh)
CALPINE GEYSERS #13	Geothermal	16,806,525	374,152,000 [1]
CALPINE GEYSERS #20	Geothermal	34,909,067	292,883,000 [2]
COMMUNITY RENEWAL ENERGY SERVICE	Biomass	89,160,000	107,736,000
MADERA POWER	Biomass	95,590,000	136,584,000
SIERRA POWER	Biomass	49,414,000	61,181,000
Total Procurement		**285,879,592**	**972,536,000**

		(in kWh)
2004 Total Eligible Procurement From RPS-Eligible Facilities that are Either New or Repowered or Have New Contracts with PG&E		**285,879,592**
2004 Additional Procurement that Qualifies Towards the IPT (Excess Incremental Procurement From Previous Years)		**0**
2004 Total Incremental Procurement		**285,879,592**
2004 Incremental Procurement Target (IPT)		**710,990,000**
Difference Between 2004 Total Incremental Procurement and IPT		**(425,110,408)**
Percent Difference Between 2004 Total Incremental Procurement and IPT		**-59.8%**

[1] Of the 374,152,000 kWh procured by PG&E from Calpine Geysers #13 in 2004, 16,806,525 kWh is counted as incremental geothermal generation while the remaining 357,345,475 kWh is counted towards PG&E's baseline.

[2] Of the 292,883,000 kWh procured by PG&E by Calpine Geysers #20 in 2004, 34,909,067 kWh is counted as incremental geothermal procurement while the remaining 257,973,933 kWh iscounted towards PG&E's baseline.

Facility Name	Fuel Type	CEC RPS Certification Number[1]	EIA Number[2]	CEC ID Number[3]	CEC Plant ID Number[4]	ISO Resource ID Number[5]	QF ID Number[6]	Procurement Reported on CEC-RPS-Track (kWh)[7]	Procurement From Other Retail Sellers Reported to the Power Source Disclosure Program(kWh)[8]
Alta Mesa Pwr. Purch. Contract Trust	Wind	60405E	No Data	20029	No Data	No Data	6090	66,957,408	0
American Energy, Inc. (Fullerton Hydro)	Small Hydro	60355E	No Data	No Data	H0199	No Data	4137	1,201,445	0
Antelope Valley Calif-Poppy Reserve	Wind	60427E	No Data	No Data	No Data	No Data	6139	97	0
Beowawe Power, LLC	Geothermal	60314E	10287	30032	No Data	No Data	3017	99,754,000	0
Bishop Creek No. 2	Small Hydro	60444E	323	No Data	H0041	No Data		25,505,779	0
Bishop Creek No. 3	Small Hydro	60446E	324	No Data	H0042	No Data		28,791,894	0
Bishop Creek No. 4	Small Hydro	60447E	325	No Data	h0043	No Data		44,357,971	0
Bishop Creek No. 5	Small Hydro	60448E	326	No Data	H0044	No Data		14,168,975	0
Bishop Creek No. 6	Small Hydro	60449E	327	No Data	H0045	No Data		8,009,561	0
BNY Western Trust Company	Wind	60412E	No Data	20091, 20092	W0302	No Data	6098	13,874,508	0
BNY Western Trust Company	Wind	60428E	No Data	20067, 20065, 20068, 20069	W0318	No Data	6213	42,585,864	0
Borel	Small Hydro	60450E	328	No Data	H0048	No Data		52,639,229	0
Boxcar I Power Purchase Contract Trust	Wind	60372E	50386	20004		No Data	6011	9,059,112	0
Boxcar II Power Purchase Contract Trst	Wind	60411 E	50386	20003		No Data	6097	17,507,432	0
Brea Power Partners L. P.	Biogas	60281E	10648	30073	e0109	No Data	1010	42,571,777	0
Caithness 251 Wind, LLC (Monolith X)	Wind	60416E	No Data	20041	W0306	No Data	6105	9,491,112	0
Caithness 251 Wind, LLC (Monolith XI)	Wind	60417E	No Data	20047	W0307	No Data	6106	9,440,256	0
Caithness 251 Wind, LLC (Monolith XII)	Wind	60418E	No Data	20042	W0308	No Data	6107	12,005,984	0
Caithness 251 Wind, LLC (Monolith XIII)	Wind	60419E	No Data	20043	W0309	No Data	6108	7,748,056	0
Caithness Dixie Valley, LLC	Geothermal	60313E	52015	30033	T0077	No Data	3011	506,553,102	0
Calleguas MWD - Unit 1	Small Hydro	60330E	No Data	30024	H0077	No Data	4010	449,220	0
Calleguas MWD - Unit 2 (East Portal)	Small Hydro	60335E	50375	30023	h0078	No Data	4022	6,405,042	0
Calleguas MWD - Unit 3 (Santa Rosa)	Small Hydro	60348E	No Data	30025	H0079	No Data	4052	1,146,809	0
Calleguas MWD (Springville Hydro)	Small Hydro	60358E	No Data	30026	H0076	No Data	4152	2,267,366	0
Calpine Geothermal- Unit 11	Geothermal	60025B	No Data	No Data	T0058	No Data		28,678,781	0
Calpine Geothermal- Unit 12	Geothermal	60004A	No Data	No Data	T0059	No Data		316,406,752	0
Calpine Geothermal- Unit 17	Geothermal	60007A	No Data	No Data	T0028	No Data		311,178,076	0
Calpine Geothermal- Unit 3	Geothermal	60010A	No Data	No Data	T0046	No Data		219,897,388	0
Calpine Geothermal- Unit 5/6	Geothermal	60002A	No Data	No Data	T0055	No Data		445,896,942	0
Calpine Geothermal- Unit7/8	Geothermal	60003A	No Data	No Data	T0056	No Data		392,044,003	0
Calpine Geothermal-Unit 18	Geothermal	60008A	No Data	No Data	T0029	No Data		68,905,916	3,000,000
Calwind Resources Inc.	Wind	60394E	No Data	20034	W0284	No Data	6060	13,810,392	0
Calwind Resources Inc. II	Wind	60291E	No Data	20033	W0320	No Data	6236	49,489,104	0
Cameron Ridge LLC (III)	Wind	60392E	10586	20072	W0282	No Data	6057	130,747,608	0
Cameron Ridge LLC (IV)	Wind	60406E	10586	20073	W0296	No Data	6091	35,179,752	0
Camrosa County Water District	Small Hydro	60353E	No Data	No Data	H0084	No Data	4076	574	0
CDWR/MWD (See Note 10)	Small Hydro	NA	905, 6643, 6644,6647, 6646, and 6645	No Data	H0058, h0211, h0282, h0188, h0437, h0577	No Data		262,819,000	0
Central Hydroelectric Corp.	Small Hydro	60342E	No Data	No Data	H0094	No Data	4034	11,998,632	0
City of Corona	Biogas	60287E	50786	30058		No Data	1040	560,892	0
City of Santa Ana	Small Hydro	60349E	No Data	No Data	H0100	No Data	4054	19,783	0
Colmac Energy Incorporated	Biomass	60286E	10300	10044	e0027	No Data	1038	373,917,000	0
Community Corp. of Santa Monica	Solar	60367E	No Data	No Data		No Data	5090	18,332	0
Coram Energy LLC (ECT)	Wind	60376E	No Data	20076	W0266	No Data	6029	5,508,968	0

Procurement Reported to the Energy Commission (kWh)[9]	CEC-1304 Report Filings to the Energy Commission By Generators (MWh)[10]	EIA-906 and EIA-920 Forms Submitted to the Energy Information Administration By Generators (MWh)[11]	Data Reported to the Energy Commission's Existing Renewable Facilities Program (kWh)[12]	Data Reported to the Energy Commission's New Renewable Facilities Program (kWh)[13]	Data Reported to the Energy Commission's Wind Performance Report Summary (kWh)[14]	Generation Data Used For Comparison with Procurement (Largest Value From Columns L-P)[15]	Difference between Generation and Annual Procurement (kWh)[16]	Percentage Difference Between the Highest Generation Total and Annual Procurement[17]
66,957,408	No Data	No Data	No Data	No Data	66,957,408	66,957,408	(0)	0.0%
1,201,445	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
97	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
99,754,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
25,505,779	25,506	No Data	No Data	No Data	No Data	25,506,000	221	0.0%
28,791,894	28,792	No Data	No Data	No Data	No Data	28,792,000	106	0.0%
44,357,971	44,357	No Data	No Data	No Data	No Data	44,357,000	(971)	0.0%
14,168,975	14,169	No Data	No Data	No Data	No Data	14,169,000	25	0.0%
8,009,561	8,009	No Data	No Data	No Data	No Data	8,009,000	(561)	0.0%
13,874,508	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
42,585,864	No Data	No Data	No Data	No Data	17,811,233	17,811,233	(24,774,632)	-58.2%
52,639,229	52,640	No Data	No Data	No Data	No Data	52,640,000	771	0.0%
9,059,112	No Data	No Data	No Data	No Data	9,087,778	9,087,778	28,666	0.3%
17,507,432	No Data	No Data	No Data	No Data	17,901,449	17,901,449	394,017	2.3%
42,571,777	42,566	No Data	No Data	No Data	No Data	42,566,000	(5,777)	0.0%
9,491,112	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
9,440,256	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
12,005,984	No Data	No Data	No Data	No Data	4,992,916	4,992,916	(7,013,068)	-58.4%
7,748,056	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
506,553,102	506,783	506,784	No Data	No Data	No Data	506,784,000	230,898	0.0%
449,220	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
6,405,042	6,405	No Data	No Data	No Data	No Data	6,405,000	(42)	0.0%
1,146,809	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
2,267,366	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
28,678,781	508,453	No Data	No Data	No Data	No Data	508,453,000	479,774,219	1672.9%
316,406,752	443,259	No Data	No Data	No Data	No Data	443,259,000	126,852,248	40.1%
311,178,076	432,014	No Data	No Data	No Data	No Data	432,014,000	120,835,924	38.8%
219,897,388	307,717	No Data	No Data	No Data	No Data	307,717,000	87,819,612	39.9%
445,896,942	626,352	No Data	No Data	No Data	No Data	626,352,000	180,455,058	40.5%
392,044,003	548,289	No Data	No Data	No Data	No Data	548,289,000	156,244,997	39.9%
71,905,916	396,565	No Data	No Data	No Data	No Data	396,565,000	324,659,084	451.5%
13,810,392	No Data	No Data	No Data	No Data	13,810,392	13,810,392	(0)	0.0%
49,489,104	No Data	No Data	No Data	No Data	49,489,104	49,489,104	(0)	0.0%
130,747,608	No Data	No Data	No Data	No Data	132,153,429	132,153,429	1,405,821	1.1%
35,179,752	No Data	No Data	No Data	No Data	35,226,021	35,226,021	46,269	0.1%
574	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
262,819,000	294,500	No Data	No Data	No Data	No Data	294,500,000	31,681,000	12.1%
11,998,632	7,822	No Data	No Data	No Data	No Data	7,822,000	(4,176,632)	-34.8%
560,892		No Data	No Data	No Data	No Data	NA	NA	NA
19,783		No Data	No Data	No Data	No Data	NA	NA	NA
373,917,000	374,306	343,275	374,645,663	No Data	No Data	374,645,663	728,663	0.2%
18,332	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
5,508,968	No Data	No Data	No Data	No Data	No Data	NA	NA	NA

Facility Name	Fuel Type	CEC RPS Certification Number[1]	EIA Number[2]	CEC ID Number[3]	CEC Plant ID Number[4]	ISO Resource ID Number[5]	QF ID Number[6]	Procurement Reported on CEC-RPS-Track (kWh)[7]	Procurement From Other Retail Sellers Reported to the Power Source Disclosure Program(kWh)[8]
Coram Energy, LLC	Wind	60390E	No Data	20075	W0280	No Data	6055	1,720,806	0
Coso Energy Developers	Geothermal	60322E	10875	, 30015, 30016	T0009	No Data	3030	609,068,009	0
Coso Finance Partners (Navy I)	Geothermal	60309E	10873	30029	T0010	No Data	3008	711,761,472	0
Coso Power Developers	Geothermal	60321E	10874	, 30018, 30019	T0011	No Data	3029	749,124,655	0
CTV Power Purchase Contract Trust	Wind	60404E	No Data	20077, 20078, 20079	W0294	No Data	6089	32,609,664	0
Curtis, Edwin	Solar	NA	No Data	No Data		No Data	5010	6,769	0
Daniel M. Bates	Small Hydro	60340E	No Data	No Data	H0127	No Data	4030	460,769	0
Deep Springs College	Small Hydro	60352E	No Data	No Data	H0132	No Data	4071	34	0
Del Ranch, LTD., (Niland #2)	Geothermal	60307E	10632	30049	T0012	No Data	3004	320,856,000	0
Desert Power Company	Small Hydro	60329E	No Data	No Data	H0134	No Data	4008	1,196,178	0
Desert Water Agency	Small Hydro	60336E	No Data	No Data	H0136	No Data	4025	283	0
Desert Water Agency (Snow Creek)	Small Hydro	60337E	No Data	No Data	H0135	No Data	4026	642,708	0
Desert Wind III PPC Trust	Wind	60423E	No Data	20087	W0313	No Data	6114	78,102,792	0
Desert Winds I PPC Trust	Wind	60397E	No Data	20086	W0287	No Data	6063	91,434,888	0
Desert Winds II Pwr Purch Trst	Wind	60422E	No Data	20024, 20094, 20095	W0312	No Data	6113	207,362,880	0
Difwind Farms Limited V	Wind	60389E	No Data	20026	W0279	No Data	6053	13,148,112	0
Difwind Partners	Wind	60403E	No Data	20027	W0293	No Data	6088	26,177,784	0
Dutch Energy	Wind	60409E	No Data	20093	W0299	No Data	6095	17,643,366	0
Elmore Ltd.	Geothermal	60310E	10634	30050	T0015	No Data	3009	329,853,000	0
Energy Development & Const. Corp.	Wind	60396E	No Data	20010	W0286	No Data	6062	18,067,452	0
Enron Wind Systems, LLC (Northwind)	Wind	60420E	No Data	20039	W0310	No Data	6111	9,375,912	0
Enron Wind Systems, LLC (VG # I)	Wind	60381E	No Data	20035	W0271	No Data	6039	8,447,824	0
Enron Wind Systems, LLC (VG #2)	Wind	60382E	No Data	20036	W0272	No Data	6040	10,336,520	0
Enron Wind Systems, LLC (VG #3)	Wind	60383E	No Data	20037	W0273	No Data	6041	8,464,160	0
Enron Wind Systems, LLC (VG #4)	Wind	60384E	No Data	20038	W0274	No Data	6042	8,678,480	0
EUI Management PH Inc.	Wind	60378E	10027	20025	W0268	No Data	6031	35,667,208	0
Fontana	Small Hydro	60451E	332	No Data	H0187	No Data		4,272,730	0
FPL Energy Cabazon Wind, LLC	Wind	60368E	50552	20083	W0258	No Data	6004	94,190,940	0
Generating Resource Recovery Partners,LP	Biogas	60278E	No Data	30073	e0125	No Data	1005	23,461,578	0
Goleta Water District	Small Hydro	60350E	No Data	No Data	H0207	No Data	4055	803,855	0
Hanson Aggregates WRP, Inc.	Biogas	60296E	No Data	No Data	No Data	No Data	1102	11,054	0
Heber Geothermal Company	Geothermal	60305E	54689	30022	T0033	No Data	3001	318,754,000	0
Henwood Associates	Small Hydro	60328E	No Data	No Data	H0429	No Data	4006	688,404	0
Hi Head Hydro Incorporated	Small Hydro	60326E	No Data	No Data	H0233	No Data	4004	1,844,096	0
Horton, John W.	Wind	60425E	No Data	No Data	No Data	No Data	6128	7	0
Inland Empire Utilities Agency	Biogas	60295E	No Data	No Data	No Data	No Data	1099	753,605	0
Irvine Ranch Water District	Small Hydro	60334E	No Data	No Data	H0247	No Data	4017	523,229	0
Kaweah No. 1	Small Hydro	60452E	337	No Data	h0259	No Data		10,211,662	0
Kaweah No. 2	Small Hydro	60453E	336	No Data	h0260	No Data		11,704,704	0
Kaweah No. 3	Small Hydro	60454E	338	No Data	H0261	No Data		22,626,207	0
Kaweah River Power Authority	Small Hydro	60346E	54343	No Data	H0262	No Data	4039	23,573,142	0
Kern River No. 1	Small Hydro	60455E	340	No Data	H0268	No Data		120,834,360	0
L.A. Co. Sanitation Dist	Biogas	60290E	10472	30067	e0127	No Data	1090	371,648,088	0
L.A. Co. Sanitation Dist #C-2850	Biogas	60289E	10473	30065	e0130	No Data	1082	35,944,368	0
L.A. Co. Sanitation Dist CSD 2610	Biogas	60280E	10472	30068	e0127	No Data	1009	5,328,991	0
L.A. Co. Sanitation Dist Spadra	Biogas	60288E	10471	30064	e0129	No Data	1077	67,713,648	0
LA CO Flood Control District	Small Hydro	60339E	54017	30066	H0442	No Data	4029	5,317,364	0
Leathers L. P.	Geothermal	60318E	10631	30051	T0034	No Data	3026	328,673,000	0

Procurement Reported to the Energy Commission (kWh)[9]	CEC-1304 Report Filings to the Energy Commission By Generators (MWh)[10]	EIA-906 and EIA-920 Forms Submitted to the Energy Information Administration By Generators (MWh)[11]	Data Reported to the Energy Commission's Existing Renewable Facilities Program (kWh)[12]	Data Reported to the Energy Commission's New Renewable Facilities Program (kWh)[13]	Data Reported to the Energy Commission's Wind Performance Report Summary (kWh)[14]	Generation Data Used For Comparison with Procurement (Largest Value From Columns L-P)[15]	Difference between Generation and Annual Procurement (kWh)[16]	Percentage Difference Between the Highest Generation Total and Annual Procurement[17]
1,720,806	No Data	No Data	No Data	No Data	1,730,601	1,730,601	9,795	0.6%
609,068,009	612,103	607,413	No Data	No Data	No Data	612,103,000	3,034,991	0.5%
711,761,472	717,071	712,065	No Data	No Data	No Data	717,071,000	5,309,528	0.7%
749,124,655	753,611	746,490	No Data	No Data	No Data	753,611,000	4,486,345	0.6%
32,609,664	No Data	No Data	No Data	No Data	28,844,962	28,844,962	(3,764,702)	-11.5%
6,769	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
460,769	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
34	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
320,856,000	304,012	321,886	No Data	No Data	No Data	321,886,000	1,030,000	0.3%
1,196,178	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
283	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
642,708	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
78,102,792	No Data	No Data	No Data	No Data	79,790,543	79,790,543	1,687,751	2.2%
91,434,888	No Data	No Data	No Data	No Data	93,270,195	93,270,195	1,835,307	2.0%
207,362,880	No Data	No Data	No Data	No Data	213,264,654	213,264,654	5,901,774	2.8%
13,148,112	No Data	No Data	No Data	No Data	13,148,112	13,148,112	(0)	0.0%
26,177,784	No Data	No Data	No Data	No Data	27,266,689	27,266,689	1,088,905	4.2%
17,643,366	No Data	No Data	No Data	No Data	17,592,000	17,592,000	(51,366)	-0.3%
329,853,000	322,780	329,853	No Data	No Data	No Data	329,853,000	-	0.0%
18,067,452	No Data	No Data	No Data	No Data	18,529,766	18,529,766	462,314	2.6%
9,375,912	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
8,447,824	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
10,336,520	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
8,464,160	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
8,678,480	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
35,667,208	No Data	No Data	No Data	No Data	35,697,204	35,697,204	29,996	0.1%
4,272,730	4,273	No Data	No Data	No Data	No Data	4,273,000	270	0.0%
94,190,940	No Data	95,152	No Data	No Data	No Data	95,152,000	961,060	1.0%
23,461,578	23,689	No Data	No Data	No Data	No Data	23,689,000	227,422	1.0%
803,855	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
11,054	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
318,754,000	324,427	323,887	No Data	No Data	No Data	324,427,000	5,673,000	1.8%
688,404	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
1,844,096	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
7	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
753,605	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
523,229	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
10,211,662	10,211	No Data	No Data	No Data	No Data	10,211,000	(662)	0.0%
11,704,704	11,705	No Data	No Data	No Data	No Data	11,705,000	296	0.0%
22,626,207	22,626	No Data	No Data	No Data	No Data	22,626,000	(207)	0.0%
23,573,142	29,997	No Data	No Data	No Data	No Data	29,997,000	6,423,858	27.3%
120,834,360	120,834	No Data	No Data	No Data	No Data	120,834,000	(360)	0.0%
371,648,088	371,648	375,700	No Data	No Data	No Data	375,700,000	4,051,912	1.1%
35,944,368	36,356	No Data	No Data	No Data	No Data	36,356,000	411,632	1.1%
5,328,991	5,328	5,331	No Data	No Data	No Data	5,331,000	2,009	0.0%
67,713,648	67,723	No Data	No Data	No Data	No Data	67,723,000	9,352	0.0%
5,317,364	9,268	No Data	No Data	No Data	No Data	9,268,000	3,950,636	74.3%
328,673,000	331,332	343,678	No Data	No Data	No Data	343,678,000	15,005,000	4.6%

Facility Name	Fuel Type	CEC RPS Certification Number[1]	EIA Number[2]	CEC ID Number[3]	CEC Plant ID Number[4]	ISO Resource ID Number[5]	QF ID Number[6]	Procurement Reported on CEC-RPS-Track (kWh)[7]	Procurement From Other Retail Sellers Reported to the Power Source Disclosure Program(kWh)[8]
Lower Tule River Irrigation Dist.	Small Hydro	60338E	10222	No Data	H0503	No Data	4028	509,304	0
Lundy	Small Hydro	60456E	342	No Data	H0296	No Data		8,684,613	0
Luz Solar Partners Ltd. III	Solar	60360E	10439	10007	S0071	No Data	5017	72,789,048	0
Luz Solar Partners Ltd. IV	Solar	60361E	10440	10008	S0072	No Data	5018	72,412,812	0
Luz Solar Partners Ltd. IX	Solar	60366E	10446	10004	S0073	No Data	5051	161,938,080	0
Luz Solar Partners Ltd. V	Solar	60362E	10441	10009	S0074	No Data	5019	79,214,940	0
Luz Solar Partners Ltd. VI	Solar	60363E	10442	10006	S0075	No Data	5020	77,026,032	0
Luz Solar Partners Ltd. VII	Solar	60364E	10443	10005	S0076	No Data	5021	75,011,724	0
Luz Solar Partners Ltd. VIII	Solar	60365E	10444	10003	S0077	No Data	5050	155,481,552	0
Lytle Creek	Small Hydro	60457E	343	No Data	h0298	No Data		1,621,639	0
Mammoth Pacific L P II (MP2)	Geothermal	60319E	10481	30040	t0036	No Data	3027	76,361,172	0
Mammoth Pacific L. P. (MP1)	Geothermal	60306E	10480	30039	t0035	No Data	3003	42,256,710	0
Mammoth Pacific L. P. I (PLES)	Geothermal	60315E	10479	30042	t0038	No Data	3018	94,929,324	0
Mesa Wind Developers	Wind	60370E		20045	W0260	No Data	6007	54,630,810	0
Metropolitan Water District	Small Hydro	60327E	No Data	No Data	H0412, H0114, H0119, H0509, H0539, H0282, H0577, H0408, H0382, H0437, H0541, H0188, H0174	No Data	4005	177,353,001	0
Mill Creek No. 1	Small Hydro	60458E	346	No Data	h0331	No Data		3,882,288	0
Mill Creek No. 3	Small Hydro	60459E	7147	No Data	h0333	No Data		9,118,691	0
Minnesota Methane (Yolo)	Biogas	60300E	54567	30060	E0154	No Data	1106	9,268,000	0
MM Lopez Energy LLC	Biogas	60299E	55161	50047	E0168	No Data	1105	46,127,580	4,723,000
MM Tajiguas Energy LLC	Biogas	60298E	55603	50027	e0095	No Data	1104	15,327,130	0
MM Tulare Energy LLC	Biogas	60297E	55160	50045	E0101	No Data	1103	9,919,882	0
MM West Covina LLC (BKK I)	Biogas	60302E	54015	30059	E0152	No Data	1110	32,382,576	0
MM West Covina LLC (BKK II)	Biogas	60303E	54015	30061	E0152	No Data	1111	31,816,632	0
MM Woodville Energy LLC	Biogas	60301E	No Data	50044	No Data	No Data	1107	1,697,856	0
Mogul Energy Partnership I	Wind	60369E	No Data	20084	No Data	No Data	6006	12,794,380	0
Monte Vista Water District	Small Hydro	60356E	No Data	No Data	H0340	No Data	4147	1,331,588	0
Montecito Water District	Small Hydro	60347E	No Data	No Data	H0254	No Data	4051	518,520	0
Mountainview I Wind	Wind	60284E	No Data	50054, 50057, 50058, 50055, 50053, 50052, 50051, 50050, 50040, 50049, 50039	No Data	No Data		129,190,496	118,000

Procurement Reported to the Energy Commission (kWh)[9]	CEC-1304 Report Filings to the Energy Commission By Generators (MWh)[10]	EIA-906 and EIA-920 Forms Submitted to the Energy Information Administration By Generators (MWh)[11]	Data Reported to the Energy Commission's Existing Renewable Facilities Program (kWh)[12]	Data Reported to the Energy Commission's New Renewable Facilities Program (kWh)[13]	Data Reported to the Energy Commission's Wind Performance Report Summary (kWh)[14]	Generation Data Used For Comparison with Procurement (Largest Value From Columns L-P)[15]	Difference between Generation and Annual Procurement (kWH)[16]	Percentage Difference Between the Highest Generation Total and Annual Procurement[17]
509,304	509	No Data	No Data	No Data	No Data	509,000	(304)	-0.1%
8,684,613	8,684	No Data	No Data	No Data	No Data	8,684,000	(613)	0.0%
72,789,048	72,787	72,789	72,949,648	No Data	No Data	72,949,648	160,600	0.2%
72,412,812	72,372	72,409	72,572,619	No Data	No Data	72,572,619	159,807	0.2%
161,938,080	161,758	161,756	162,276,649	No Data	No Data	162,276,649	338,569	0.2%
79,214,940	79,125	79,214	79,388,307	No Data	No Data	79,388,307	173,367	0.2%
77,026,032	77,006	76,428	77,194,492	No Data	No Data	77,194,492	168,460	0.2%
75,011,724	74,827	74,927	75,176,504	No Data	No Data	75,176,504	164,780	0.2%
155,481,552	155,351	155,404	155,807,360	No Data	No Data	155,807,360	325,808	0.2%
1,621,639	1,622	No Data	No Data	No Data	No Data	1,622,000	361	0.0%
76,361,172	76,843	No Data	No Data	No Data	No Data	76,843,000	481,828	0.6%
42,256,710	42,101	No Data	No Data	No Data	No Data	42,101,000	(155,710)	-0.4%
94,929,324	42,101	No Data	No Data	No Data	No Data	42,101,000	(52,828,324)	-55.7%
54,630,810	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
177,353,001	385,015	No Data	No Data	No Data	No Data	385,015,000	207,661,999	117.1%
3,882,288	3,883	No Data	No Data	No Data	No Data	3,883,000	712	0.0%
9,118,691	9,118	No Data	No Data	No Data	No Data	9,118,000	(691)	0.0%
9,268,000	9,268	No Data	No Data	No Data	No Data	9,268,000	-	0.0%
50,850,580	46,128	No Data	No Data	14,774,160	No Data	46,128,000	(4,722,580)	-9.3%
15,327,130	14,848	No Data	No Data	7,699,776	No Data	14,848,000	(479,130)	-3.1%
9,919,882	9,920	No Data	No Data	3,370,294	No Data	9,920,000	118	0.0%
32,382,576	32,408	No Data	No Data	No Data	No Data	32,408,000	25,424	0.1%
31,816,632	31,816	No Data	No Data	No Data	No Data	31,816,000	(632)	0.0%
1,697,856	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
12,794,380	No Data	No Data	No Data	No Data	8,242,408	8,242,408	(4,551,972)	-35.6%
1,331,588	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
518,520	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
129,308,496	No Data	No Data	No Data	135,851,280	No Data	135,851,280	6,542,784	5.1%

Facility Name	Fuel Type	CEC RPS Certification Number[1]	EIA Number[2]	CEC ID Number[3]	CEC Plant ID Number[4]	ISO Resource ID Number[5]	QF ID Number[6]	Procurement Reported on CEC-RPS-Track (kWh)[7]	Procurement From Other Retail Sellers Reported to the Power Source Disclosure Program(kWh)[8]
Mountainview II Wind	Wind	60285E	No Data	50067, 50066, 50038, 50037, 50036	No Data	No Data		59,946,542	118,000
NAWP Inc. [East Winds Proj]	Wind	60388E	No Data	20023	W0278	No Data	6052	8,780,214	0
Oak Creek Energy Systems Inc.	Wind	60429E	50754	20021	No Data	No Data	6234	84,132,792	0
Ontario No. 1	Small Hydro	60460E	348	No Data	h0372	No Data		1,024,531	0
Ontario No. 2	Small Hydro	60461E	349	No Data	H0373	No Data		1,258,329	0
Orange County Sanitation District Plan 2 Unit 6	Biogas	60294E	50696, 52099	30131	E0025	No Data	1098	2,346,624	0
Ormesa Geothermal I	Geothermal	60311E	50766	30002	T0062	No Data	3010	282,850,000	0
Ormesa Geothermal II	Geothermal	60312E	54724	30084	T0043	No Data	3012	118,412,000	0
Painted Hills Wind Developers	Wind	60421E		20048	W0311	No Data	6112	28,170,984	0
Penrose Landfill Gas Conversion, LLC	Biogas	60282E	54326	30074	E0142	No Data	1018	39,652,000	0
Poole	Small Hydro	60462E	353	No Data	H0398	No Data		29,941,657	0
Portal	Small Hydro	60463E	354	No Data	H0499	No Data		36,295,333	0
Raul Soza	Wind	#N/A	No Data	No Data	No Data	No Data	6133	896	0
Richard Moss	Small Hydro	60341E	No Data	30133	H0410	No Data	4031	213,478	0
Ridgetop Energy, LLC (I)	Wind	60375E	10597	20031	No Data	No Data	6024	152,524,296	0
Ridgetop Energy, LLC (II)	Wind	60407E	10597	20032	W0297	No Data	6092	82,447,380	0
Royal Farms	Biogas	60279E	No Data	30056	No Data	No Data	1007	11,924	0
Rush Creek	Small Hydro	60464E	357	No Data	h0426	No Data		11,303,906	0
S & L Ranch	Wind	60426E	No Data	No Data	No Data	No Data	6136	2,397	0
Salton Sea IV	Geothermal	60324E	54996	30047	T0016	No Data	3050	343,678,000	0
Salton Sea Power Generation L.P. #1	Geothermal	60323E	10878	30048	T0047	No Data	3039	76,254,000	0
Salton Sea Power Generation L.P. #2	Geothermal	60320E	10879	30043	T0048	No Data	3028	110,924,000	0
Salton Sea Power Generation L.P. #3	Geothermal	60317E	10759	30044	T0049	No Data	3025	386,205,000	0
San Bernardino MWD	Small Hydro	60332E	No Data	No Data	H0434	No Data	4014	423,456	0
San Bernardino MWD (Unit 3)	Small Hydro	60354E	No Data	No Data	H0434	No Data	4100	267,959	0
San Gabriel Valley MWD	Small Hydro	60331E	50233	30169	h0443	No Data	4011	3,349,202	0
San Gorgonio Westwinds II, LLC	Wind	60393E	50690	20005	W0283	No Data	6058	27,959,640	0
San Gorgonio Wind Farms Inc I	Wind	60371E	50281	20011	W0261	No Data	6009	6,778,110	0
Santa Ana No. 1	Small Hydro	60465E	361	No Data	h0460	No Data		1,957,605	0
Santa Ana No. 3	Small Hydro	60466E	363	No Data	h0462	No Data		4,093,389	0
Second Imperial Geothermal Co.	Geothermal	60316E	54111	No Data	T0051	No Data	3021	290,295,000	0
Section 16-29 Trust (Altech III)	Wind	60402E	50485	20006	W0292	No Data	6087	73,574,592	0
Section 20 Trust	Wind	60387E	No Data	20007	W0277	No Data	6051	40,956,288	0
Section 22 Trust [San Jacinto]	Wind	60408E	No Data	20008	W0298	No Data	6094	39,148,464	0
Section 7 Trust	Wind	60398E	No Data	20012	W0288	No Data	6064	57,086,529	0
Sierra	Small Hydro	60467E	364	No Data	h0479	No Data		2,214,128	0
Sky River Partnership (Wilderness I)	Wind	60399E	50536	20096	W0289	No Data	6065	99,555,840	0
Sky River Partnership (Wilderness II)	Wind	60400E	50536	20097	W0290	No Data	6066	51,899,130	0
Sky River Partnership (Wilderness III)	Wind	60401E	50536	20098	W0291	No Data	6067	54,725,922	0
So. California Sunbelt Dev (Edom Hill)	Wind	60391E	No Data	20080	W0281	No Data	6056	12,787,480	0
Sunray Energy, Inc.	Solar	60359E	10437, 10438	10016	S0069	No Data	5005	45,417,276	0
Tehachapi Power Purchase Contract Trust	Wind	60380E	No Data	20022	W0270	No Data	6037	127,552,176	0
Three Valleys MWD (Fulton Road)	Small Hydro	60343E	No Data	30172	H0513	No Data	4035	884,942	0
Three Valleys MWD (Miramar)	Small Hydro	60344E	No Data	30171	H0514	No Data	4036	522,796	0
Three Valleys MWD (Williams)	Small Hydro	60345E	No Data	30173	H0515	No Data	4037	1,655,150	0

Procurement Reported to the Energy Commission (kWh)[9]	CEC-1304 Report Filings to the Energy Commission By Generators (MWh)[10]	EIA-906 and EIA-920 Forms Submitted to the Energy Information Administration By Generators (MWh)[11]	Data Reported to the Energy Commission's Existing Renewable Facilities Program (kWh)[12]	Data Reported to the Energy Commission's New Renewable Facilities Program (kWh)[13]	Data Reported to the Energy Commission's Wind Performance Report Summary (kWh)[14]	Generation Data Used For Comparison with Procurement (Largest Value From Columns L-P)[15]	Difference between Generation and Annual Procurement (kWh)[16]	Percentage Difference Between the Highest Generation Total and Annual Procurement[17]
60,064,542	No Data	No Data	No Data	53,285,752	No Data	53,285,752	(6,778,790)	-11.3%
8,780,214	No Data	No Data	No Data	No Data	8,782,000	8,782,000	1,786	0.0%
84,132,792	No Data	No Data	No Data	No Data	84,132,789	84,132,789	(3)	0.0%
1,024,531	1,024	No Data	No Data	No Data	No Data	1,024,000	(531)	-0.1%
1,258,329	1,258	No Data	No Data	No Data	No Data	1,258,000	(329)	0.0%
2,346,624	2,522	No Data	No Data	No Data	No Data	2,522,000	175,376	7.5%
282,850,000	137,459	133,216	No Data	No Data	No Data	137,459,000	(145,391,000)	-51.4%
118,412,000	121,275	No Data	No Data	No Data	No Data	121,275,000	2,863,000	2.4%
28,170,984		No Data	No Data	No Data	No Data	NA	NA	NA
39,652,000	42,814	No Data	No Data	No Data	No Data	42,814,000	3,162,000	8.0%
29,941,657	29,942	No Data	No Data	No Data	No Data	29,942,000	343	0.0%
36,295,333	36,295	No Data	No Data	No Data	No Data	36,295,000	(333)	0.0%
896	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
213,478	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
152,524,296	No Data	88,046	No Data	No Data	158,180,021	158,180,021	5,655,725	3.7%
82,447,380	No Data	No Data	No Data	No Data	94,025,581	94,025,581	11,578,201	14.0%
11,924	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
11,303,906	11,304	No Data	No Data	No Data	No Data	11,304,000	94	0.0%
2,397	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
343,678,000	331,332	343,678	No Data	No Data	No Data	343,678,000	-	0.0%
76,254,000	65,696	No Data	No Data	No Data	No Data	65,696,000	(10,558,000)	-13.8%
110,924,000	94,836	No Data	No Data	No Data	No Data	94,836,000	(16,088,000)	-14.5%
386,205,000	372,188	386,205	No Data	No Data	No Data	386,205,000	-	0.0%
423,456	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
267,959	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
3,349,202	2,522	No Data	No Data	No Data	No Data	2,522,000	(827,202)	-24.7%
27,959,640	No Data	No Data	No Data	No Data	27,959,000	27,959,000	(640)	0.0%
6,778,110	No Data	No Data	No Data	No Data	6,615,260	6,615,260	(162,850)	-2.4%
1,957,605	1,958	No Data	No Data	No Data	No Data	1,958,000	395	0.0%
4,093,389	4,093	No Data	No Data	No Data	No Data	4,093,000	(389)	0.0%
290,295,000	298,635	297,975	No Data	No Data	No Data	298,635,000	8,340,000	2.9%
73,574,592	No Data	No Data	No Data	No Data	73,573,616	73,573,616	(976)	0.0%
40,956,288	No Data	No Data	No Data	No Data	40,939,525	40,939,525	(16,763)	0.0%
39,148,464	No Data	No Data	No Data	No Data	39,146,154	39,146,154	(2,310)	0.0%
57,086,529	No Data	No Data	No Data	No Data	59,133,658	59,133,658	2,047,129	3.6%
2,214,128	2,214	No Data	No Data	No Data	No Data	2,214,000	(128)	0.0%
99,555,840	No Data	No Data	No Data	No Data	204,748,130	204,748,130	105,192,290	105.7%
51,899,130	No Data	No Data	No Data	No Data	105,364,715	105,364,715	53,465,585	103.0%
54,725,922	No Data	No Data	No Data	No Data	111,284,910	111,284,910	56,558,988	103.3%
12,787,480	No Data	No Data	No Data	No Data	14,833,347	14,833,347	2,045,867	16.0%
45,417,276	13,686	45,910	45,491,893	No Data	No Data	45,491,893	74,617	0.2%
127,552,176	No Data	No Data	No Data	No Data	76,434,879	76,434,879	(51,117,297)	-40.1%
884,942	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
522,796	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
1,655,150	No Data	No Data	No Data	No Data	No Data	NA	NA	NA

Facility Name	Fuel Type	CEC RPS Certification Number[1]	EIA Number[2]	CEC ID Number[3]	CEC Plant ID Number[4]	ISO Resource ID Number[5]	QF ID Number[6]	Procurement Reported on CEC-RPS-Track (kWh)[7]	Procurement From Other Retail Sellers Reported to the Power Source Disclosure Program(kWh)[8]
Toyon Landfill Gas Conversion, LLC	Biogas	60283E	54327	30078	e0143	No Data	1022	18,353,000	0
Tule	Small Hydro	60468E	365	No Data	h0525	No Data		10,870,342	0
United Water Conservation District	Small Hydro	60351E	50076	No Data	H0533	No Data	4058	73,611	0
Ventura Regional Sanitation District	Biogas	60304E	No Data	No Data	No Data	No Data	1126	80,848	0
Victory Garden Phase IV Partner - 6102	Wind	60413E	No Data	20089	W0303	No Data	6102	18,175,608	0
Victory Garden Phase IV Partner - 6103	Wind	60414E	No Data	20088	W0304	No Data	6103	13,515,504	0
Victory Garden Phase IV Partner - 6104	Wind	60415E	No Data	20090	W0305	No Data	6104	16,496,192	0
Vulcan/Bn Geothermal	Geothermal	60308E	50210	30045	T0053	No Data	3006	302,718,000	0
Walnut Valley Water District	Small Hydro	60333E	No Data	No Data	H0553	No Data	4016	840,807	0
Water Facilities Authority	Small Hydro	60357E	No Data	No Data	H0548	No Data	4150	824,660	0
Westwind Trust	Wind	60410E	No Data	20028	W0300	No Data	6096	27,288,912	0
Windpower Partners 1993 L.P.	Wind	60377E	54454	20063	W0267	No Data	6030	37,189,541	0
Windpower Partners 1993 L.P.	Wind	60379E	54454	20066	W0269	No Data	6035	19,017,000	0
Windpower Partners 1993, L.P.	Wind	60424E	54454	20064	W0314	No Data	6118	17,633,527	0
Windridge Incorporated	Wind	60395E	No Data	20001	No Data	No Data	6061	2,428,592	0
Windsong Wind Park	Wind	60373E	No Data	20002	W0303	No Data	6012	5,304,362	0
WM Energy Solutions, Inc. (El Sobrante)	Biogas	60292E	No Data	No Data	No Data	No Data	1093	9,196,917	0
WM Energy Solutions, Inc. (Simi Valley)	Biogas	60293E	No Data	No Data	No Data	No Data	1095	9,911,256	0
Zephyr Park, LTD	Wind	60374E	No Data	20085	No Data	No Data	6019	8,242,408	0
Zond Wind Systems Partners, Series 85-A	Wind	60385E	No Data	20040	W0275	No Data	6043	18,965,808	0
Zond Wind Systems Partners, Series 85-B	Wind	60386E	No Data	20046	W0276	No Data	6044	28,639,056	0

[1] The California Energy Commission assigns this RPS Certification number to the generating facility.

[2] The Energy Information Administration assigns this number to generating facilities.

[3] The Energy Commission's Existing Renewable Facilities and New Renewable Facilities Programs assign this number to eligible renewable generating facilities.

[4] The Energy Commission's Cartography and Electricity Analysis Offices assign this identification number.

[5] The California ISO identification number for generating facilities.

[6] The Investor-Owned Utilties' identification number for Qualifying Facilities from which they procure generation.

[7] With the exception of the procurement claims from Calpine Geothermal Units 11, 12, 17, 3, 5/6, 7/18 and 18, the procurement shown in this column is the amount SCE reported to the Energy Commission in its CEC-RPS-Track Filing. In it's own original CEC-RPS-Track filing for 2004, SCE aggregated all of the Calpine Geysers procurement into one procurement claim. However, SCE emailed the Energy Commission a spreadsheet on November 17, 2005 that reports the procurement from the Calpine Geysers by facility.

[8] This column lists claims from specific purchases from other retail providers for the same facilities, if applicable. These claims were reported to the the Energy Commission's Power Source Disclosure Program, which collects Annual Reports from retail sellers of electricity that compare the claims made on their Power Content Labels with the generation that they procured. The Power Source Disclosure Program received and reviewed Annual Reports from 26 retail providers and 2 electricity wholesalers for 2004. Data from the Annual Reports included procurement from 739 facilities, including 449 that were certified as RPS-eligible or were "registered".

[9] The figures reported in this column are the total specific purchases reported on the CEC-RPS-Track form and on Power Source Disclosure Program Annual Report.

Procurement Reported to the Energy Commission (kWh)[9]	CEC-1304 Report Filings to the Energy Commission By Generators (MWh)[10]	EIA-906 and EIA-920 Forms Submitted to the Energy Information Administration By Generators (MWh)[11]	Data Reported to the Energy Commission's Existing Renewable Facilities Program (kWh)[12]	Data Reported to the Energy Commission's New Renewable Facilities Program (kWh)[13]	Data Reported to the Energy Commission's Wind Performance Report Summary (kWh)[14]	Generation Data Used For Comparison with Procurement (Largest Value From Columns L-P)[15]	Difference between Generation and Annual Procurement (kWH)[16]	Percentage Difference Between the Highest Generation Total and Annual Procurement[17]
18,353,000	21,866	No Data	No Data	No Data	No Data	21,866,000	3,513,000	19.1%
10,870,342	10,870	No Data	No Data	No Data	No Data	10,870,000	(342)	0.0%
73,611	72	No Data	No Data	No Data	No Data	72,000	(1,611)	-2.2%
80,848	No Data	No Data	No Data	No Data	No Data		NA	NA
18,175,608	No Data	No Data	No Data	No Data	36,121,234	36,121,234	17,945,626	98.7%
13,515,504	No Data	No Data	No Data	No Data	29,469,431	29,469,431	15,953,927	118.0%
16,496,192	No Data	No Data	No Data	No Data	30,761,543	30,761,543	14,265,351	86.5%
302,718,000	294,702	302,718	No Data	No Data	No Data	302,718,000	-	0.0%
840,807	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
824,660	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
27,288,912	No Data	No Data	No Data	No Data	27,288,912	27,288,912	(0)	0.0%
37,189,541	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
19,017,000	No Data	No Data	No Data	No Data	35,226,021	35,226,021	16,209,021	85.2%
17,633,527	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
2,428,592	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
5,304,362	No Data	No Data	No Data	No Data	5,293,995	5,293,995	(10,367)	-0.2%
9,196,917	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
9,911,256	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
8,242,408	No Data	No Data	No Data	No Data	16,510,920	16,510,920	8,268,512	100.3%
18,965,808	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
28,639,056	No Data	No Data	No Data	No Data	No Data	NA	NA	NA

[10] The California Code of Regulations, Title 20, Division 2, Chapter 3, Section 1304(a) requires electric generating facilities with a nameplate capacity from 1 MW to less than 10 MW to provide power plant identification, generation, and fuel use data once a year, while plants that are 10 MW or larger are required to report this information quarterly.

[11] Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275) requires that all grid connected generating facilities of 1 MW or higher are required to report monthly and annual electric generation and fuel consumption information to the Energy Information Administration .

[12] The Energy Commission's Existing Renewable Facilities Program provides production incentives to in-state, non-utility biomass, solar thermal, and wind generating facilities that were online before September 26, 1996. To receive funding, generating facilities must submit monthly invoices that document the facility's generation.

[13] The Energy Commission's New Renewable Facilities Program provides production incentives to renewable facilities that were newly constructed or repowered on or after September 26, 1996. To qualify for payment, generators must submit monthly invoices that document the facility's generation.

[14] The Energy Commission's Public Interest Energy Research (PIER) Program oversees the Wind Performance Report Summary (WPRS). Since 1985, operators of wind plants with a capacity greater than 100 kW that sell electricity to a power purchaser have submitted the annual generation output of their facilities to the Energy Commission. Wind generation data from 1985 through 2003 is available on the electronic Wind Performance Reporting System at http://wprs.ucdavis.edu/; however, 2004 wind generation data used for this report has not yet been posted on that Web site.

[15] The generation totals in this column are taken from the data sources that were utilized in preparing this report with the highest generation total.

[16] The totals that appear in this column represent the difference between the data source with the highest generation total and the annual procurement.

[17] This is the percentage difference between the highest generation total and the annual procurement.

SCE's Progress Toward the 2003 Incremental Procurement Target

Procurement From RPS-Eligible Facilities that are Either New or Repowered or Have New Contracts with SCE

Generating Facility	Fuel Type	Eligible Procurement (in kWh)	Total Procurement (in kWh)
Calpine Unit 11	Geothermal	51,066,809	51,066,809
Calpine Unit 12	Geothermal	19,459,004	172,764,777 [1]
Calpine Unit 17	Geothermal	105,071,623	191,048,368 [2]
Calpine Unit 18	Geothermal	67,931,312	98,745,117 [3]
Calpine Unit 3/Sonoma	Geothermal	5,939,629	130,039,059 [4]
Calpine Unit 5/6	Geothermal	7,144,246	310,601,838 [5]
Calpine Unit 7/8	Geothermal	35,998,815	230,493,439 [6]
Mountain View Wind	Wind	191,468,542	191,468,542
Sierra Power	Biomass	17,496,000	17,496,000
Total Procurement		**501,575,980**	**1,393,723,949**

		(in kWh)
2003 Total Eligible Procurement From RPS-Eligible Facilities that are Either New or Repowered or Have New Contracts with SCE		**501,575,980**
2003 Additional Procurement that Qualifies Towards the IPT (Excess Incremental Procurement From Previous Years)		**0**
2003 Total Incremental Procurement		**501,575,980**
2003 Incremental Procurement Target (IPT)		**748,069,000**
Difference Between 2003 Total Incremental Procurement and IPT		**(246,493,020)**
Percent Difference Between 2003 Total Incremental Procurement and IPT		**-33.0%**

[1] Of the 172,764,777 kWh procured by SCE from Calpine Geysers Unit 12 in 2003, 19,459,004 kWh is counted as incremental geothermal generation while the remaining 153,305,773 kWh is counted towards SCE's baseline.

[2] Of the 191,048,368 kWh procured by SCE by Calpine Geysers Unit 17 in 2003, 105,071,623 kWh is counted as incremental geothermal procurement while the remaining 85,976,745 kWh is counted towards SCE's baseline.

[3] Of the 98,745,117 kWh procured by SCE from Calpine Geysers Unit 18 in 2003, 67,931,312 kWh is counted as incremental geothermal generation while the remaining 30,813,805 kWh is counted towards SCE's baseline.

[4] Of the 130,039,059 kWh procured by SCE by Calpine Geysers Unit 3/Sonoma in 2003, 5,939,629 kWh is counted as incremental geothermal procurement while the remaining 124,099,430 kWh is counted towards SCE's baseline.

[5] Of the 310,601,838 kWh procured by SCE from Calpine Geysers Unit 5/6 in 2003, 7,144,246 kWh is counted as incremental geothermal generation while the remaining 303,457,592 kWh is counted towards SCE's baseline.

[6] Of the 230,493,439 kWh procured by SCE by Calpine Geysers Unit 7/8 in 2003, 35,998,815 kWh is counted as incremental geothermal procurement while the remaining 194,494,624 kWh is counted towards SCE's baseline.

SCE's Progress Toward the 2004 Incremental Procurement Target

Procurement From RPS-Eligible Facilities that are Either New or Repowered or Have New Contracts with SCE

Generating Facility	Fuel Type	Eligible Procurement (in kWh)	Total Procurement (in kWh)
Calpine Unit 12	Geothermal	51,852,940	316,406,752 [1]
Calpine Unit 17	Geothermal	61,681,999	311,178,076 [2]
Calpine Unit 18	Geothermal	16,523,542	68,905,916 [3]
Calpine Unit 5/6	Geothermal	44,135,352	445,896,942 [4]
Calpine Unit 7/8	Geothermal	80,743,057	392,044,003 [5]
Calpine Unit 3/Sonoma	Geothermal	49,332,408	219,897,388 [6]
WM Energy Solutions, Inc. (El Sobrante)	Biogas	9,196,917	9,196,917
WM Energy Solutions, Inc. (Simi Valley)	Biogas	9,911,256	9,911,256
Total Procurement		**323,377,471**	**1,773,437,250**

		(in kWh)
2004 Total Eligible Procurement From RPS-Eligible Facilities that are Either New or Repowered or Have New Contracts with SCE		**323,377,471**
2004 Additional Procurement that Qualifies Towards the IPT (Excess Incremental Procurement From Previous Years)		**0**
2004 Total Incremental Procurement		**323,377,471**
2004 Incremental Procurement Target (IPT)		**706,170,000**
Difference Between 2004 Total Incremental Procurement and IPT		**(382,792,529)**
Percent Difference Between 2004 Total Incremental Procurement and IPT		**-54.2%**

[1] Of the 316,406,752 kWh procured by SCE from Calpine Geysers Unit 12 in 2004, 51,852,940 kWh is counted as incremental geothermal generation while the remaining 264,553,812 kWh is counted towards SCE's baseline.

[2] Of the 311,178,076 kWh procured by SCE by Calpine Geysers Unit 17 in 2004, 61,681,999 kWh is counted as incremental geothermal procurement while the remaining 249,496,077 kWh is counted towards SCE's baseline.

[3] Of the 68,905,916 kWh procured by SCE from Calpine Geysers Unit 18 in 2004, 16,523,542 kWh is counted as incremental geothermal generation while the remaining 52,382,374 kWh is counted towards SCE's baseline.

[4] Of the 445,896,942 kWh procured by SCE by Calpine Geysers Unit 5/6 in 2004, 44,135,352 kWh is counted as incremental geothermal procurement while the remaining 401,761,590 kWh is counted towards SCE's baseline.

[5] Of the 392,044,003 kWh procured by SCE from Calpine Geysers Unit 7/8 in 2004, 80,743,057 kWh is counted as incremental geothermal generation while the remaining 311,300,946 kWh is counted towards SCE's baseline.

[6] Of the 219,897,388 kWh procured by SCE by Calpine Geysers Unit 3/Sonoma in 2004, 49,332,408 kWh is counted as incremental geothermal procurement while the remaining 170,564,980 kWh is counted towards SCE's baseline.

Facility Name	Fuel Type	CEC RPS Certification Number[1]	EIA Number[2]	CEC ID Number[3]	CEC Plant ID Number[4]	ISO Resource ID Number[5]	QF ID Number[6]	Procurement Reported on CEC-RPS-Track (kWh)[7]	Procurement From Other Retail Sellers Reported to the Power Source Disclosure Program(kWh)[8]
Otay Landfill I	Biogas	60433E	No Data	30073	E0061	OTAY_6_UNITB1	153	11,619,087	0
Otay Landfill II	Biogas	60434E	No Data	30178	E0061		154	10,486,279	0
San Marcos Landfill	Biogas	60435E	No Data	30128	E0075	SMRCOS_6_UNIT 1	155	9,000,611	0
Sycamore Landfill	Biogas	60436E	No Data	30130	No Data	CHILLS_1_SYCLFL	152	10,017,538	0
Alvarado Hydro Facility	Small Hydro	60437E	No Data	No Data	H0006	No Data	151	7,453,894	0
Badger Filtration Plant	Small Hydro	60438E	50147	No Data	H0016	No Data	17	2,408,036	0
Bear Valley Hydro	Small Hydro	60439E	457	No Data	H0021	No Data	No Data	1,508,904	0
Olivenhain Municipal Water Dist	Small Hydro	60441E	No Data	No Data	H0369	No Data	225	1,143,972	0
San Francisco Peak Hydro Plant	Small Hydro	60442E	No Data	No Data	H0439	No Data	119	618,777	0
Cal West Industrial Park	Solar	No Data	No Data	No Data	No Data	No Data	476	114,195	0
MM San Diego - Miramar	Biogas	60481A	No Data	No Data	E0054	MSHGTS_6_MMARLF	No Data	27,378,000	0
MM San Diego - North City	Biogas	60482A	No Data	No Data	E0202	NOCITY_7_ESGATE	No Data	9,926,000	0
MM Prima Deshecha	Biogas	No Data	No Data	No Data	E0194	PRMADS_7_CPSTNO	No Data	36,737,000	0
GRS - Coyote Canyon	Biogas	60485A	No Data	No Data	E0117	GRSCYT_6_SANTGO	No Data	65,124,000	0
GRS - Sycamore	Biogas	60486A	10387	No Data	E0094	CHILLS_7_UNITA1	No Data	8,735,000	0
San Diego MWD (Point Loma)	Biogas	No Data	No Data	50063	No Data	CBRLLO_6_PLSTP1	No Data	23,451,000	0
AES Delano	Biomass	60431A	10840	10034	E0029	PANDOL_6_UNIT	No Data	337,466,000	0
Oasis Power Partners	Wind	No Data	No Data	No Data	No Data	VINCNT_2_WESTWD	No Data	24,000	0
PPM Energy	Wind	60430A 60445A	56075,56112	50048	No Data	MTWIND_1_UNIT3 PWEST_1_UNIT	No Data	75,899,000	0
WTE Acquisition	Wind	60443A	No Data	50011	No Data	GARNET_1_UNITS	No Data	38,855,000	4,277,000

[1] The California Energy Commission assigns this RPS Certification number to the generating facility.

[2] The Energy Information Administration assigns this number to generating facilities.

[3] The Energy Commission's Existing Renewable Facilities and New Renewable Facilities Programs assign this number to eligible renewable generating facilities.

[4] The Energy Commission's Cartography and Electricity Analysis Offices assign this identification number.

[5] The California ISO identification number for generating facilities.

[6] The Investor-Owned Utilties' identification number for Qualifying Facilities from which they procure generation.

[7] The procurement shown in this column is the amount SDG&E reported to the Energy Commission in its CEC-RPS-Track Filing.

[8] This column lists claims from specific purchases from other retail providers for the same facilities, if applicable. These claims were reported to the the Energy Commission's Power Source Disclosure Program, which collects Annual Reports from retail sellers of electricity that compare the claims made on their Power Content Labels with the generation that they procured. The Power Source Disclosure Program received and reviewed Annual Reports from 26 retail providers and 2 electricity wholesalers for 2004. Data from the Annual Reports included procurement from 739 facilities, including 449 that were certified as RPS-eligible or were “registered”.

[9] The figures reported in this column are the total specific purchases reported on the CEC-RPS-Track form and on Power Source Disclosure Program Annual Report.

Procurement Reported to the Energy Commission (kWh)[9]	CEC-1304 Report Filings to the Energy Commission By Generators (MWh)[10]	EIA-906 and EIA-920 Forms Submitted to the Energy Information Administration By Generators (MWh)[11]	Data Reported to the Energy Commission's Existing Renewable Facilities Program (kWh)[12]	Data Reported to the Energy Commission's New Renewable Facilities Program (kWh)[13]	Data Reported to the Energy Commission's Wind Performance Report Summary (kWh)[14]	Generation Data Used For Comparison with Procurement (Largest Value From Columns L-P)[15]	Difference between Generation and Annual Procurement (kWH)[16]	Percentage Difference Between the Highest Generation Total and Annual Procurement[17]
11,619,087	12,085	No Data	No Data	No Data	No Data	12,084,595	465,508	4.0%
10,486,279	10,907	No Data	No Data	No Data	No Data	10,907,405	421,126	4.0%
9,000,611	9,230	No Data	No Data	No Data	No Data	9,230,000	229,389	2.5%
10,017,538	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
7,453,894	7,454	No Data	No Data	No Data	No Data	7,454,000	106	0.0%
2,408,036	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
1,508,904	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
1,143,972	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
618,777	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
114,195	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
27,378,000	46,855	No Data	No Data	No Data	No Data	46,855,000	19,477,000	71.1%
9,926,000	30,473	No Data	No Data	No Data	No Data	30,473,000	20,547,000	207.0%
36,737,000	35,843	No Data	No Data	11,670,700	No Data	35,843,000	-894,000	-2.4%
65,124,000	64,866	No Data	No Data	No Data	No Data	64,866,000	-258,000	-0.4%
8,735,000	9,230	No Data	No Data	No Data	No Data	9,230,000	495,000	5.7%
23,451,000	No Data	No Data	No Data	5,061,252	No Data	5,061,252	-18,389,748	-78.4%
337,466,000	337,528	344,659	343,031,399	No Data	No Data	343,031,399	5,565,399	1.6%
24,000	No Data	No Data	No Data	No Data	No Data	NA	NA	NA
75,899,000	No Data	No Data	No Data	No Data	71,879,000	71,879,000	-4,020,000	-5.3%
43,132,000	No Data	47,998	No Data	No Data	No Data	47,998,000	4,866,000	12.5%

[10] The California Code of Regulations, Title 20, Division 2, Chapter 3, Section 1304(a) requires electric generating facilities with a nameplate capacity from 1 MW to less than 10 MW to provide power plant identification, generation, and fuel use data once a year, while plants that are 10 MW or larger are required to report this information quarterly.

[11] Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275) requires that all grid connected generating facilities of 1 MW or higher are required to report monthly and annual electric generation and fuel consumption information to the Energy Information Administration .

[12] The Energy Commission's Existing Renewable Facilities Program provides production incentives to in-state, non-utility biomass, solar thermal, and wind generating facilities that were online before September 26, 1996. To receive funding, generating facilities must submit monthly invoices that document the facility's generation.

[13] The Energy Commission's New Renewable Facilities Program provides production incentives to renewable facilities that were newly constructed or repowered on or after September 26, 1996. To qualify for payment, generators must submit monthly invoices that document the facility's generation.

[14] The Energy Commission's Public Interest Energy Research (PIER) Program oversees the Wind Performance Report Summary (WPRS). Since 1985, operators of wind plants with a capacity greater than 100 kW that sell electricity to a power purchaser have submitted the annual generation output of their facilities to the Energy Commission. Wind generation data from 1985 through 2003 is available on the electronic Wind Performance Reporting System at http://wprs.ucdavis.edu/; however, 2004 wind generation data used for this report has not yet been posted on that Web site.

[15] The generation totals in this column are taken from the data sources that were utilized in preparing this report with the highest generation total.

[16] The totals that appear in this column represent the difference between the data source with the highest generation total and the annual procurement.

[17] This is the percentage difference between the highest generation total and the annual procurement.

SDG&E's Progress Toward the 2003 Incremental Procurement Target

Procurement From RPS-Eligible Facilities that are Either New or Repowered or Have New Contracts with SDG&E

Generating Facility	Fuel Type	Eligible Procurement (in kWh)	Total Procurement (in kWh)
AES Delano	Biomass	341,718,000	341,718,000
GRS - Coyote Canyon	Biogas	63,260,000	63,260,000
PPM Energy	Wind	550,000	550,000
Total Procurement		**405,528,000**	**405,528,000**

		(in kWh)
2003 Total Eligible Procurement From RPS-Eligible Facilities that are Either New or Repowered or Have New Contracts with SDG&E		**405,528,000**
2003 Additional Procurement that Qualifies Towards the IPT (Excess Incremental Procurement From Previous Years)		**0**
2003 Total Incremental Procurement		**405,528,000**
2003 Incremental Procurement Target (IPT)		**149,988,000**
Difference Between 2003 Total Incremental Procurement and IPT		**255,540,000**
Percent Difference Between 2003 Total Incremental Procurement and IPT		**170.4%**

SDG&E's Progress Toward the 2004 Incremental Procurement Target

Procurement From RPS-Eligible Facilities that are Either New or Repowered or Have New Contracts with SDG&E

Generating Facility	Fuel Type	Eligible Procurement Towards the IPT (in kWh)	Total Procurement (in kWh)
GRS - Coyote Canyon	Biogas	1,864,000	65,124,000
GRS - Sycamore	Biogas	8,735,000	8,735,000
Oasis Power Partners	Wind	24,000	24,000
PPM Energy	Wind	75,349,000	75,899,000
WTE Acquisition	Wind	38,855,000	38,855,000
Total Procurement		**124,827,000**	**188,637,000**

2004 Additional Procurement that Qualifies Towards the IPT, Itemized by Facility (Excess Incremental Procurement From Previous Years)

Generating Facility	Fuel Type	Eligible Procurement Towards the IPT (in kWh)	Total Procurement (in kWh)
AES Delano	Biomass	191,730,000	337,466,000
PPM Energy	Wind	550,000	75,899,000
GRS- Coyote Canyon	Biogas	63,260,000	65,124,000
Total Procurement		**255,540,000**	**478,489,000**

		(in kWh)
2004 Total Eligible Procurement From RPS-Eligible Facilities that are Either New or Repowered or Have New Contracts with SDG&E		**124,827,000**
2004 Additional Procurement that Qualifies Towards the IPT (Excess Incremental Procurement From Previous Years)		**255,540,000**
2004 Total Incremental Procurement		**380,367,000**
2004 Incremental Procurement Target (IPT)		**150,439,000**
Difference Between 2004 Total Incremental Procurement and IPT		**229,928,000**
Percent Difference Between 2004 Total Incremental Procurement and IPT		**152.8%**